Switch disconnectors

- 16A to 1600A ratings
- Versions: direct operating handle, door coupling, door mount and in enclosure
- Wide range of accessories
- Type for photovoltaic applications up to 850A, 1000VDC (DC21B)
- Switch disconnectors and changeover switches in plastic, metal and stainless steel AISI 304 enclosure.

	Sec. - Page
GA series 16A to 160A	
Three-pole switch disconnectors	12 - 9
Fourth pole add-on	12 - 9
Add-on blocks and accessories	12 - 11
Assembled changeover switches	12 - 17
Switch disconnectors complete with shaft extension, door-coupling handle and terminal covers	12 - 17
Empty plastic enclosures	12 - 18
Switch disconnectors in plastic enclosure	12 - 19
Changeover switches in plastic enclosure	12 - 21
Switch disconnectors in metal enclosure	12 - 23
Changeover switches in metal enclosure	12 - 24
Switch disconnectors in stainless steel AISI 304 enclosure	12 - 24
Empty metal enclosures	12 - 25
GL series 160A to 630A	
Three-pole switch disconnectors	12 - 30
Fourth pole add-on	12 - 30
Three and four-pole changeover switches	12 - 31
Add-on blocks and accessories	12 - 32
Switch disconnectors in metal enclosure	12 - 34
Changeover switches in metal enclosure	12 - 35
GE series 50A to 1600A	
Three-pole switch disconnectors	12 - 36
Three-pole switch disconnectors with fuse holder	12 - 36
Four-pole switch disconnectors	12 - 37
Four-pole switch disconnectors with fuse holder	12 - 37
Three-pole changeover switches	12 - 38
Four-pole changeover switches	12 - 38
Add-on blocks and accessories	12 - 39
GM series 30A to 800A	
Three-pole disconnect switches with fuse holder (UL98)	12 - 44
Add-on blocks and accessories	12 - 44
For photovoltaic applications	12 - 46
Dimensions	**12 - 48**
Wiring diagrams	**12 - 61**
Technical characteristics	**12 - 64**

Page 12-8

GA SERIES
16A TO 160A (AC21A)

- UL60947-4-1 and UL98 certified three-pole switch disconnectors; add-on fourth pole available
- Switch disconnectors with direct operating handle and door coupling version
- Switch disconnectors door mount version
- Switch disconnectors in plastic, metal and AISI 304 stainless-steel enclosure
- Changeover switches in plastic and metal enclosure.

Page 12-26

GL SERIES
160A TO 630A (AC23A)

- IEC and UL98 certified three-pole switch disconnectors; add-on fourth pole available
- IEC and UL1008 certified changeover switches
- Switch disconnectors with direct operating handle and door coupling version
- Changeover switches with direct operating handle and door coupling version
- Switch disconnectors in metal enclosure
- Changeover switches in metal enclosure.

Page 12-36

GE SERIES
50A TO 1600A (AC21A)

- IEC version three and four-pole switch disconnectors
- IEC version three and four-pole switch disconnectors with NFC, NH and BS type fuse holders
- Switch disconnectors with direct operating handle and door coupling version
- Three and four-pole changeover switches; add-on motorised control unit available.

Page 12-44

GM SERIES
30A TO 800A (AC21A)

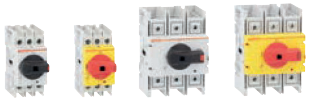
- UL98 certified three-pole switch disconnectors with CC, J and L type fuse holders
- Switch disconnectors with fuse holders direct operating and door coupling versions.

Page 12-46

FOR PHOTOVOLTAIC APPLICATIONS
UP TO 850A 1000VDC (DC21B)

- Switch disconnectors
- Direct operating and door coupling versions
- Switch disconnectors in non-metallic enclosure
- Connection of 2, 3, 4 poles in series.

GA series
16A to 160A



	DIRECT OPERATING HANDLE AND DOOR COUPLING VERSION											DOOR MOUNT VERSION										
	36mm/1.42" width					70mm/2.75" width						36mm/1.42" width					70mm/2.75" width					
AC21A (IEC/EN/BS)	16A	25A	32A	40A	63A	30A	63A	80A	100A	125A	160A	16A	25A	32A	40A	63A	30A	63A	80A	100A	125A	160A
GENERAL USE 600VAC (UL/CSA)	16A	25A	32A	40A	60A	30A	60A	100A	100A	100A	–	16A	25A	32A	40A	–	30A	60A	100A	100A	100A	–
SWITCH DISCONNECTORS																						
Certifications UL60947-4-1	●	●	●	●	●							●	●	●	●	●						
UL98						●	●	●	●	●							●	●	●	●	●	
Three-pole	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4th pole - simultaneous closing			●		●		●	●	●	●	●			●				●	●	●	●	●
4th pole - early make			●		●			●						●					●			
Fuse holder 10x38mm		●																				
Fuse holder 10x38mm type CC		●																				
Mechanical 6-8 pole coupling system			●					●														
Mechanical interlock for line switching			●						●													
ASSEMBLED CHANGEOVER SWITCHING																						
Three-pole IEC/EN/BS		●		●	●			●		●	●											
Four-pole IEC/EN/BS		●		●	●			●		●	●											

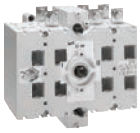
	PLASTIC ENCLOSED VERSION WITH RED/YELLOW OR BLACK HANDLE										METAL ENCLOSED VERSION WITH RED/YELLOW OR BLACK HANDLE									
AC21A (IEC/EN/BS)	16A	25A	32A	40A	63A	63A	80A	100A	125A	160A	16A	25A	32A	40A	63A	63A	80A	100A	125A	160A
GENERAL USE 600VAC (UL/CSA)	16A	25A	32A	40A	60A	60A	100A	100A	100A	–	–	–	–	–	–	–	–	–	–	–
SWITCH DISCONNECTORS																				
Three-pole IEC/EN/BS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Four-pole IEC/EN/BS	●		●	●	●	●		●	●	●	●		●	●	●	●		●	●	●
Three-pole UL 60947-4-1	●	●	●	●	●															
Three-pole UL98						●	●	●	●											
Four-pole UL 60947-4-1	●		●																	
Four-pole UL98						●		●	●											
CHANGEOVER SWITCHING																				
Three-pole IEC/EN/BS												●		●	●		●		●	●
Four-pole IEC/EN/BS												●		●	●		●		●	●
Three-pole UL 60947-4-1		●		●	●															
Three-pole UL98							●		●											
Four-pole UL 60947-4-1		●		●	●															
Four-pole UL98							●		●											

	STAINLESS STEEL AISI 304 ENCLOSED VERSION WITH RED/YELLOW OR BLACK HANDLE						
AC21A (IEC/EN/BS)	16A	25A	32A	40A	63A	63A	100A
SWITCH DISCONNECTORS							
Three-pole IEC/EN/BS	●	●	●	●	●	●	●

GL series
160A to 630A

	DIRECT OPERATING HANDLE AND DOOR COUPLING VERSION									METAL ENCLOSED VERSION WITH RED/YELLOW OR BLACK HANDLE			
AC21A (IEC/EN/BS)	160A	200A	200A	250A	315A	320A	400A	500A	630A	160A	200A	250A	315A
GENERAL USE 600VAC (UL/CSA)	-	100A	200A	-	-	-	400A	-	-	-	-	-	-
SWITCH DISCONNECTORS													
Three-pole IEC/EN/BS	●		●	●	●	●	●	●	●	●	●	●	●
Three-pole UL98		●	●				●						
4th pole - simultaneous closing					●					●	●	●	●
CHANGEOVER SWITCHES													
Three and four-pole IEC/EN/BS	●		●	●	●	●	●	●	●	●	●	●	●
Three and four-pole UL1008		●	●				●						

GE series
50A to 1600A

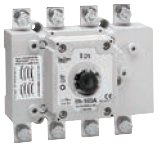


	DIRECT OPERATING AND DOOR COUPLING VERSION															
AC21A (IEC/EN/BS)	50A	125A	160A	200A	250A	315A	400A	500A	630A	800A	1000A	1250A	1600A	2000A	2500A	3150A
SWITCH DISCONNECTORS 50A...1600A																
Three and four-pole			●	●	●	●	●	●	●	●	●	●	●			
Three and four-pole with NFC fuse holder	●	●														
Three and four-pole with NH fuse holder			●		●		●		●	●						
Three and four-pole with BS fuse holder			●	●	●	●	●		●	●						
Four-pole for photovoltaic applications		●			●	●			●	●		●				
CHANGEOVER SWITCHES 160A...3150A																
Three and four-pole			●	●	●	●	●	●	●	●	●	●	●	●	●	●
Motorised control unit			●			●			●		●		●	●	●	●

GM series
30A to 800A

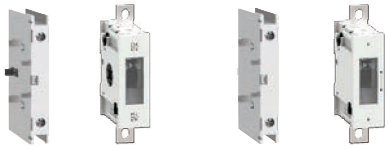
	DIRECT OPERATING AND DOOR COUPLING VERSION						
GENERAL USE 600VAC (UL/CSA)	30A	60A	100A	200A	400A	600A	800A
DISCONNECT SWITCHES WITH FUSE HOLDERS 30A...800A							
UL98 three-pole disconnect switches with CC type fuse holders	●						
UL98 three-pole disconnect switches with J type fuse holders	●	●	●	●	●	●	
UL98 three-pole disconnect switches with L type fuse holders							●

For photovoltaic applications



CONVENTIONAL THERMAL CURRENT Ith DC21B (800V)	DIRECT OPERATING AND DOOR COUPLING VERSION										PLASTIC ENCLOSED VERSION WITH RED/YELLOW OR BLACK HANDLE		
	15A	25A	32A	40A	125A	250A	280A	600A	630A	1000A	25A	32A	40A
Switch disconnectors GA series	●												
Switch disconnectors GD series		●	●	●							●	●	●
Four-pole switch disconnectors GE series				●	●	●	●	●	●	●			

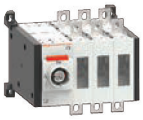
Summary table of combinations - Switch disconnectors

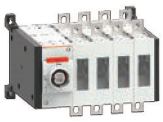


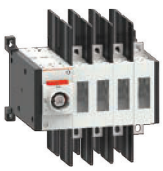
Type		IEC conventional free air thermal current Ith	IEC rated operational current Ie			General purpose current	Max 3-phase horse-power rating (UL)	IEC reactive power for control of capacitors	Fourth pole		Neutral terminal		
Direct operating or door coupling	Door mounting	AC21A (≤690V)	AC23A (400V)	AC23A (500V)	AC23A (690V)	(UL)		400V	Direct operating or door coupling	Door mounting	Direct operating or door coupling	Door mounting	
Order code	Order code	[A]	[A]	[A]	[A]	[A]	[HP/V]	[kvar]	Order code	Order code	Order code	Order code	
IEC/EN/BS and UL60947-4-1 three-pole switch disconnectors.													
GA016A	**GA016C**	16	16	16	16	16	5/240 10/480 10/600	7.5	**GAX42040A** **GAX41040A**	**GAX42040C** **GAX41040C**	**GAX31A**	**GAX31C**	
GA025A	**GA025C**	25	25	25	25	25	7.5/240 15/480 20/600	10					
GA032A	**GA032C**	32	32	25	25	32	10/240 20/480 20/600	12.5					
GA040A	**GA040C**	40	40	25	25	40	15/240 20/480 25/600	15					
GA063SA	**GA063SC**	63	45	25	25	60	15/240 30/480 32/600	15	**GAX42063SA** **GAX41063SA**	**GAX42063SC**			
IEC/EN/BS and UL98 three-pole switch disconnectors.													
GA030A	**GA030C**	30	30	30	30	30	10/240 20/480 30/600	12.5	**GAX42063A** **GAX41125A**	**GAX42063C** **GAX41125C**	**GAX32A**	**GAX32C**	
GA063A	**GA063C**	63	63	63	47	60	20/240 40/480 40/600	25					
GA080A	**GA080C**	80	80	63	47	100	25/240 40/480 40/600	30	**GAX42080A** **GAX41125A**	**GAX42080C** **GAX41125C**			
GA100A	**GA100C**	100	100	80	47	100	30/240 50/480 50/600	40	**GAX42100A** **GAX41125A**	**GAX42100C** **GAX41125C**			
GA125A	**GA125C**	125	125	100	47	100	30/240 60/480 60/600	50	**GAX42125A** **GAX41125A**	**GAX42125C** **GAX41125C**			
IEC/EN/BS three-pole switch disconnectors.													
GA160A	**GA160C**	160	125	100	47	–	–	50	**GAX42160A**	**GAX42160C**	**GAX32A**	**GAX32C**	
GL0160C1	–	160	160	160	160	–	–	80	**GLX420315**	–	**GLX300**	–	
GL0200C1	–	200	200	200	200			100					
GL0250C1	–	250	250	250	250			115					
GL0315C1	–	315	315					145					
GL0320C1	–	320	320	320	320			145	**GLX420320**	–	**GLX302**	–	
GL0400C1	–	400	400	400	400			180	**GLX420400**				
GL0500C1	–	500	500	500	500			200	**GLX420500**				
GL0630C1	–	630	630	500				200	**GLX420630**				
UL98 three-pole switch disconnectors.													
GL0100C1UL	–	160	160	160	160	100	30/240 75/480 100/600	–	**GLX420100UL**	–	**GLX300**	–	
GL0200C1UL	–	200	200	200	200	200	75/240 150/480 200/600		**GLX420200UL**				
GL0400C1UL	–	400	400	400	400	400	125/240 250/480 350/600		**GLX420400UL**		**GLX302**	–	

	Earth/ground terminal		Direct operating handle		Door coupling handle		Shaft extensions for door coupling handles	Auxiliary contacts	Terminal covers	Phase barriers	Terminal clamps	Captive nuts
	Direct operating or door coupling	Door mounting	Black	Red/Yellow	Black	Red/Yellow						
	Order code	Order code	Order code	Order code	Order code	Order code	Order code	Order code	Order code	Order code	Order code	Order code
	GAX33A	GAX33C	GAX61B GAX62B GAX63B GAX631B GAX632B GAX64B GAX68B	GAX61 GAX62 GAX63 GAX632 GAX64 GAX68	GAX61B GAX62B GAX63B GAX631B GAX632B GAX64B GAX68B	GAX61 GAX62 GAX63 GAX632 GAX64 GAX68	GAX7055 GAX7070 GAX7090 GAX7150 GAX7200 GAX7300 GAX7400 GAX7500	GAX1011A GAX1110EA	GAX83 GAX81	–	–	–
	GAX34A	GAX34C	GAX61B GAX62B GAX63B GAX631B GAX632B GAX64B GAX66NB GAX68B	GAX61 GAX62 GAX63 GAX632 GAX64 GAX66N GAX68	GAX61B GAX62B GAX63B GAX631B GAX632B GAX64B GAX66NB GAX68B	GAX61 GAX62 GAX63 GAX632 GAX64 GAX66N GAX68	GAX7055 GAX7070 GAX7090 GAX7150 GAX7200 GAX7300 GAX7400 GAX7500 GAX7150AN GAX7200AN GAX7300AN GAX7400AN GAX7500AN	GAX1011A GAX1210EA	GAX84 GAX82	–	–	–
	GAX34A	GAX34C	GAX61B GAX62B GAX63B GAX631B GAX632B GAX64B GAX66NB GAX68B	GAX61 GAX62 GAX63 GAX632 GAX64 GAX66N GAX68	GAX61B GAX62B GAX63B GAX631B GAX632B GAX64B GAX66NB GAX68B	GAX61 GAX62 GAX63 GAX632 GAX64 GAX66N GAX68	GAX7055 GAX7070 GAX7090 GAX7150... GAX7200... GAX7300... GAX7400... GAX7500...	GAX1011A GAX1210EA	GAX84 GAX82	–	–	–
	GLX301	–	GLX61DB	GLX61D	GLX61B	GLX61	GLX7150S10 GLX7200S10 GLX7300S10 GLX7400S10 GLX7500S10	GLX1001 GLX1001EA	GLX800 GLX801	GLX900 GLX901	GLX500 GLX501	GLX550
	GLX303	–	GLX62DB	GLX62D	GLX62B	GLX62			GLX802 GLX803	GLX902 GLX903	GLX502 GLX503 GLX504 GLX505	GLX551
	GLX301	–	GLX61DB	GLX61D	GLX61B	GLX61	GLX7150S10 GLX7200S10 GLX7300S10 GLX7400S10 GLX7500S10	GLX1001 GLX1001EA	GLX800 GLX801	GLX900 GLX901	GLX500 GLX501	GLX550
	GLX303	–	GLX62DB	GLX62D	GLX62B	GLX62			GLX802 GLX803	GLX902 GLX903	GLX502 GLX503 GLX504 GLX505	GLX551

Summary table of combinations - Changeover switches







Order code	IEC conventional free air thermal current Ith AC21A (≤690V) [A]	IEC rated operational current Ie AC23A (400V) [A]	AC23A (500V) [A]	AC23A (690V) [A]	General purpose current (UL) [A]	Max 3-phase horsepower rating (UL) [HP/V]	
IEC/EN/BS three-pole changeover switches.							
GA025ET6	25	25	25	25	–	–	
GA040ET6	40	40	25	25			
GA063SAET6	63	45	25	25			
GA080ET6	80	80	63	47			
GA125ET6	125	125	100	47			
GA160ET6	160	125	100	47			
GLC0160C1	160	160	160	160			
GLC0200C1	200	200	200	200			
GLC0250C1	250	250	250	250			
GLC0315C1	315	315	250	250			
GLC0320C1	320	320	320	320			
GLC0400C1	400	400	400	400			
GLC0500C1	500	500	500	500			
GLC0630C1	630	630	500	500			
IEC/EN/BS four-pole changeover switches.							
GA025ET8	25	25	25	25	–	–	
GA040ET8	40	40	25	25			
GA063SAET8	63	45	25	25			
GA080ET8	80	80	63	47			
GA125ET8	125	125	100	47			
GA160ET8	160	125	100	57			
GLC0160T4C1	160	160	160	160			
GLC0200T4C1	200	200	200	200			
GLC0250T4C1	250	250	250	250			
GLC0315T4C1	315	315	250	250			
GLC0320T4C1	320	320	320	320			
GLC0400T4C1	400	400	400	400			
GLC0500T4C1	500	500	500	500			
GLC0630T4C1	630	630	500	500			
UL1008 three-pole changeover switches.							
GL0C100C1UL	160	160	160	160	100	30/240 75/480 100/600	
GL0C200C1UL	200	200	200	200	200	75/240 150/480 200/600	
GLC0400C1UL	400	400	400	400	400	125/240 250/480 350/600	
UL1008 four-pole changeover switches.							
GL0C100T4C1UL	160	160	160	160	100	30/240 75/480 100/600	
GL0C200T4C1UL	200	200	200	200	200	75/240 150/480 200/600	
GLC0400T4C1UL	400	400	400	400	400	125/240 250/480 350/600	

	Direct operating handle	Door coupling handle	Shaft extensions for door coupling handles	Auxiliary contacts	Terminal covers	Phase barriers	Terminal claps	Captive nuts	Parallel connections
	Order code	Order code	Order code	Order code	Order code	Order code	Order code		
	Built-in **GAX5000**	**GAX67B**	**GAX7055** **GAX7070** **GAX7090** **GAX7150** **GAX7200** **GAX7300** **GAX7400** **GAX7500**	**GAX1011A** **GAX1110EA**	**GAX83** **GAX81**	–	–	–	–
	Built-in **GAX5001**			**GAX1011A** **GAX1110EA**	**GAX84** **GAX82**				
	GLX61DB	**GLX61CB**	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	**GLX1001** **GLX1001EA**	**GLX800** **GLX801**	**GLX900** **GLX901**	**GLX500** **GLX501**	**GLX550**	**GLX201** **GLX202**
	GLX62DB	**GLX62CB**			**GLX802** **GLX803**	**GLX902** **GLX903**	**GLX502** **GLX503** **GLX504** **GLX505**	**GLX551**	**GLX206** **GLX207**
	Built-in **GAX5000**	**GAX67B**	**GAX7055** **GAX7070** **GAX7090** **GAX7150** **GAX7200** **GAX7300** **GAX7400** **GAX7500**	**GAX1011A** **GAX1110EA**	**GAX83** **GAX81**	–	–	–	–
	Built-in **GAX5001**			**GAX1011A** **GAX1110EA**	**GAX84** **GAX82**				
	GLX61DB	**GLX61CB**	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	**GLX1001** **GLX1001EA**	**GLX800** **GLX801**	**GLX900** **GLX901**	**GLX500** **GLX501**	**GLX550**	**GLX201** **GLX202**
	GLX62DB	**GLX62CB**			**GLX802** **GLX803**	**GLX902** **GLX903**	**GLX502** **GLX503** **GLX504** **GLX505**	**GLX551**	**GLX206** **GLX207**
	GLX61DB	**GLX61B**	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	**GLX1001** **GLX1001EA**	**GLX800** **GLX801**	**GLX900** **GLX901**	**GLX500** **GLX501**	**GLX550**	**GLX201** **GLX202**
	GLX62DB	**GLX62B**			**GLX802** **GLX803**	**GLX902** **GLX903**	**GLX502** **GLX503** **GLX504** **GLX505**	**GLX551**	**GLX206** **GLX207**
	GLX61DB	**GLX61B**	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	**GLX1001** **GLX1001EA**	**GLX800** **GLX801**	**GLX900** **GLX901**	**GLX500** **GLX501**	**GLX550**	**GLX201** **GLX202**
	GLX62DB	**GLX62B**			**GLX802** **GLX803**	**GLX902** **GLX903**	**GLX502** **GLX503** **GLX504** **GLX505**	**GLX551**	**GLX206** **GLX207**

VERSATILITY!

COMPACT SIZE
The three-pole 16A to 63A switch disconnectors, are made up of a single unit body, merely 36mm/1.42” wide, while the 30A to 160A ratings, of another frame size of only 70mm/2.75” wide.

ACCESSORY FLEXIBILITY
Mounting and removal of the fourth pole and add-on blocks are simple and quick operations with no need for tools.

VERSIONS FOR PHOTOVOLTAIC APPLICATIONS
The GA... series switch disconnectors are suitable for small domestic installations as well as those with a large number of solar cells.
Use up to 800V in DC21B category.

CERTIFICATIONS
The 16A to 63A types are listed for the USA and Canada, certified according to UL60947-4-1/CSA C22.2 n° 60947-4-1.
The 30A to 125A types are listed for Canada and the USA, certified according to UL98A/CSA C22.2 n° 4.

SIDE MOUNT ADD-ON FOURTH POLE
Simultaneous closing or early-make contact operation of the fourth pole with respect to the switch disconnector poles.

ADD-ON AUXILIARY CONTACTS
Only one add-on block suitable for all the 9 ratings of switch disconnectors, having simultaneous closing with the switch disconnector poles. There are versions with an early-break NO contact with respect to the switch disconnector.

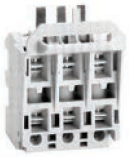
MAXIMUM COMBINATIONS
Mounting up to 4 auxiliary contacts or 1 fourth pole and 3 auxiliary contacts (2 blocks always on the right and 2 on the left side) of each switch disconnector. The earth and neutral terminals and fuse holder also can be added.

SWITCH STATUS INDICATION
The switch open or closed state is clearly and unequivocally seen at a distance thanks to the simple and modern design of the handles.

TERMINAL ADAPTABILITY
Terminals are suitable to accept any type of cable: flexible, rigid, AWG wire. The terminals can withstand high tightening torques.

6 AND 8 POLE VERSION
Mechanical coupling systems are available for switch disconnectors with direct operating handle to provide 6/8 pole disconnectors or a mechanical interlock mechanism for the line changeover function (I - 0 - II).
The enclosed switches are cULus certified.

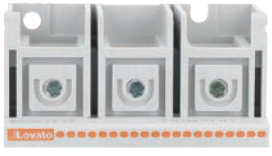
FUSE HOLDERS



A three-pole fuse holder can be added to 16A to 32A switch disconnectors, with direct operating handle, to provide a single compact unit.
Access to the fuse can be made only when the disconnector is in OFF position.

HIGH IEC CAPABILITY IN AC23
The rated currents Ie in AC23 at 690VAC are the highest of the category.

TORX SCREW TERMINALS



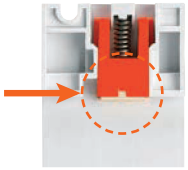
Version with Torx screw terminals available on request.

MODULARITY
The switch disconnectors can be mounted in modular panels.

IP65 PADLOCKABLE HANDLES
Wide range of selector or pistol grip handles, with screw or ring fixing.
All handles are equipped with built-in padlockable mechanism.
The selector handle GAX63... snaps onto the door mount switch disconnectors in 16A to 40A ratings, with no need for tools.

DIN RAIL FIXING
Switch disconnector mounting on and removal from the 35mm DIN rail are done by simply pressing it downwards with no need for tools.

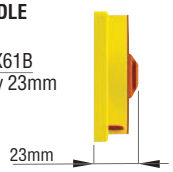
ANTI-SLIDE INSERT FOR DIN RAIL



A rubber pad insert prevents the sliding of switch disconnectors on the DIN rail even when out of tolerance or mounted vertically.

DOOR COUPLING HANDLE WITH FRONT DIMENSIONS 48X48MM
The GAX68 and GAX68B handles can be used in panels and boxes of limited dimensions.

REDUCED HANDLE THICKNESS
GAX61 and GAX61B handles are only 23mm thick.



HANDLE IP69K (GAX63K and GAX63KB)

HANDLE ADAPTABILITY
The extensive number of fixing holes in the front handle plate can replace switch disconnectors, normally found out in the field, without having to drill others.

UL508A HANDLE VERSION
In compliance with UL508A standards, which require internal panel inspection by authorised personnel with power applied, selector and pistol handles are available with defeatable feature of the door coupling when the switch disconnector is closed, i.e. in ON position.

Three-pole switch disconnectors with direct operating handle and door coupling version

GA016A...
GA040A
GA063SA

GA030A
GA063A...
GA160A

Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC22A (≤690V) AC23A (≤400V)	Qty per pkg	Wt
	[A]	[A]	n°	[kg]
Direct operating version, complete with black handle. For door coupling version, separately purchase the handle and shaft extension (see pages 12-14 and 12-16). According to UL60947-4-1.				
GA016A	16	16	1	0.146
GA025A	25	25	1	0.146
GA032A	32	32	1	0.146
GA040A	40	40	1	0.146
GA063SA	63	45	1	0.148
According to UL98.				
GA030A	30	30	1	0.388
GA063A	63	63	1	0.388
GA080A	80	80	1	0.388
GA100A	100	100	1	0.388
GA125A	125	125	1	0.388
According to IEC.				
GA160A	160	125	1	0.388

GA0... ARY

GA063...ARY

new

Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC22A (≤690V) AC23A (≤400V)	Qty per pkg	Wt
	[A]	[A]	n°	[kg]
Direct operating version, complete with yellow/red handle. For door coupling version, separately purchase the handle and shaft extension (see pages 12-14 and 12-16).				
GA016ARY	16	16	1	0.146
GA025ARY	25	25	1	0.146
GA032ARY	32	32	1	0.146
GA040ARY	40	40	1	0.146
GA063SARY	63	45	1	0.148
GA030ARY	30	30	1	0.388
GA063ARY	63	63	1	0.388
GA080ARY	80	80	1	0.388
GA100ARY	100	100	1	0.388
GA125ARY	125	125	1	0.388
According to IEC.				
GA160ARY	160	125	1	0.388

Fourth pole add-on

GAX42...A
GAX41...A
GAX42063SA
GAX41063SA

Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC22A (≤690V) AC23A (≤400V)	Qty per pack	Wt
	[A]	[A]	n°	[kg]
Simultaneous closing operation as switch disconnector poles. For GA...A... version.				
GAX42040A❶	40	40	1	0.045
GAX42063SA❷	63	45	1	0.045
GAX42063A❸	63	63	1	0.126
GAX42080A	80	80	1	0.126
GAX42100A	100	100	1	0.126
GAX42125A	125	125	1	0.126
GAX42160A	160	125	1	0.126
Early make closing operation with respect to switch disconnector poles. For GA...A... version.				
GAX41040A❶	40	40	1	0.046
GAX41063SA❷	63	45	1	0.046
GAX41125A❹	125	125	1	0.116

❶ For GA016A...GA040A... only.
❷ For GA063SA... only.
❸ For GA030A... and GA063A... only.
❹ For GA030A... and GA063A...GA125A... only.

General characteristics
- 16A to 160A
- Available versions:
  - Direct operating
  - Door coupling. Use switch disconnector with direct operating handle and separately purchase the handle and shaft extension for this version. See pages 12-14 and 12-16
- Version with Torx screw terminals available on request
- Compact and modular size
- Screw or 35mm DIN rail fixing
- Padlockable in 0 position with no extra accessory.

Operational characteristics
- Rated insulation voltage Ui: 1000V
- Rated impulse withstand Uimp: 8kV
- Electrical life in AC21A:
  - 100,000 cycles GA016...GA040..., GAX...40A
  - 15,000 cycles GA063SA..., GAX...063SA
  - 30,000 cycles GA030... and GA063...GA125..., GAX...063...125A
  - 1,500 cycles GA160A..., GAX42160A
- Mechanical life:
  - 100,000 cycles GA016...GA040A..., GA063SA..., GAX...40A, GAX...063SA
  - 30,000 cycles GA030... and GA063...GA160A..., GAX...063...125A, GAX42160A.

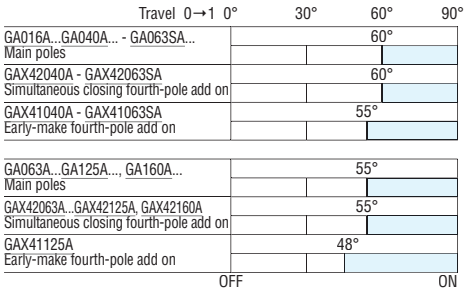
Certifications and compliance
Certifications obtained:

Type	cULus according to UL60947-4-1 / CSA C22.2 n°60947-4-1	cULus according to UL98 / CSA C22.2 n°4	EAC	KEMA
GA016A...GA040A	●	—	●	●
GA063SA	●	—	●	—
GA030A and GA063A...GA125A...	—	●	●	—
GA160A...-GAX42160A	—	—	●	—
GAX41040A-GAX42040A	●	—	●	—
GAX41063SA-GAX42063SA	●	—	●	—
GAX41125A	—	●	●	—
GAX42063A...GAX42125A	—	●	●	—

● Certification obtained.

Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1, UL60947-4-1, UL98, CSA C22.2.

Strokes of GA...A... poles
(main poles and add-on pole)



Three-pole switch disconnectors

GA016C...
GA040C
GA063SC

GA063C...
GA160C

	Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC22A (≤690V) AC23A (≤400V)	Qty per pkg	Wt
		[A]	[A]	n°	[kg]
	Door mount version, complete with shaft extension (purchase handle separately, see page 12-14). According to UL60947-4-1.				
	GA016C	16	16	1	0.170
	GA025C	25	25	1	0.170
	GA032C	32	32	1	0.170
	GA040C	40	40	1	0.170
	According to IEC.				
new	**GA063SC**	63	40	1	0.170
	According to UL98.				
	GA030C	30	30	1	0.404
	GA063C	63	63	1	0.404
	GA080C	80	80	1	0.404
	GA100C	100	100	1	0.404
	GA125C	125	125	1	0.404
	According to IEC.				
new	**GA160C**	160	125	1	0.404

Fourth pole add-on

GAX42040C
GAX41040C

	Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC22A (≤690V) AC23A (≤400V)	Qty per pack	Wt
		[A]	[A]	n°	[kg]
	Simultaneous closing operation as switch disconnector poles. For GA...C version.				
new	**GAX42040C❶**	40	40	1	0.045
	GAX42063SC	63	40	1	0.045
	GAX42063C❷	63	63	1	0.128
	GAX42080C	80	80	1	0.128
	GAX42100C	100	100	1	0.128
	GAX42125C	125	125	1	0.128
new	**GAX42160C**	160	125	1	0.128
	Early make closing operation with respect to switch disconnector poles. For GA...C version.				
	GAX41040C❶	40	40	1	0.046
	GAX41125C❸	125	125	1	0.128

❶ For GA016C...GA040C only.
❷ For GA030C and GA063C only.
❸ For GA030C and GA063C...GA125C only.

General characteristics
- 16A to 160A
- Available versions:
  - Door mount
- Compact and modular size
- Padlockable in 0 position with no extra accessory.

Operational characteristics
- Rated insulation voltage Ui: 1000V
- Rated impulse withstand Uimp: 8kV
- Electrical life in AC21A:
  - 100,000 cycles GA016...GA040C, GAX...40C
  - 15,000 cycles GA063SC, GAX42063SC
  - 30,000 cycles GA030C and GA063...GA125C, GAX...063...125C
  - 1,500 cycles GA160C, GAX42160C
- Mechanical life:
  - 100,000 cycles GA016...GA040C..., GA063SC..., GAX...40C, GAX...063SC
  - 30,000 cycles GA030... and GA063...GA160C..., GAX...063...125C, GAX42160C.

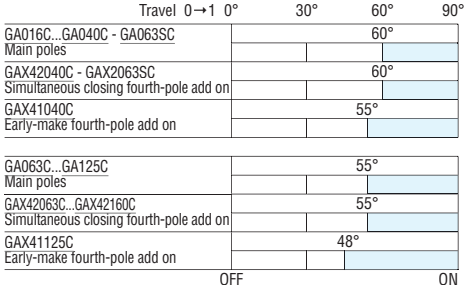
Certifications and compliance
Certifications obtained:

Type	cULus according to UL60947-4-1 / CSA C22.2 n°60947-4-1	cULus according to UL98 / CSA C22.2 n°4	EAC	KEMA
GA016C...GA040C	●	—	●	●
GA030C and GA063C...GA125C	—	●	●	—
GAX41040C-GAX42040C	●	—	●	—
GAX42125C	—	●	●	—
GAX42063C...GAX42125C	—	●	●	—
GAX42160C	—	—	●	—

● Certification obtained.

Compliant with standards: IEC/EN 60947-3, IEC/EN 60947-1, UL60947-4-1, UL98, CSA C22.2.

Strokes of GA...C poles
(main poles and add-on pole)



Add-on blocks

GAX1011A

GAX1011C

GAX1110EA
GAX1210EA

GAX3…A

GAX3…C

GAX50…

GAX60…

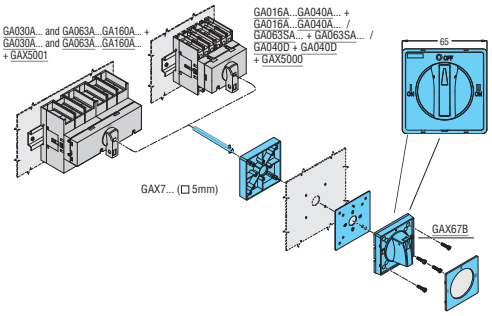
Order code	Characteristics	Qty per pack	Wt
		n°	[kg]
Auxiliary contacts, simultaneous closing as poles of switch disconnector.			
GAX1011A	1NO + 1NC for GA...A..., and GA040D	1	0.030
GAX1011C	1NO + 1NC for GA...C	1	0.030
Auxiliary contacts, early-break operation with respect to poles of switch disconnector.			
GAX1110EA	1EB(NO) for GA016A... GA040A..., GA063SA... and GA040D	1	0.035
GAX1210EA	1EB(NO) for GA030A... and GA063A...GA160A...	1	0.035
Neutral terminal.			
GAX31A	For GA016A...GA040A..., GA063SA... and GA040D	1	0.040
GAX32A	For GA030A... and GA063A...GA160A...	1	0.110
GAX31C	For GA016C...GA040C and GA063SC	1	0.040
GAX32C	For GA030C and GA063C...GA160C	1	0.110
Earth/Ground terminal.			
GAX33A	For GA016A...GA040A, GA063SA and GA...D	1	0.040
GAX34A	For GA030A and GA063A...GA160A	1	0.110
GAX33C	For GA016C...GA040C and GA063SC	1	0.040
GAX34C	For GA030C and GA063C...GA125C	1	0.110
Mechanical interlock for line changeover (I-0-II).			
GAX5000	For GA016A...GA040A..., GA063SA..., GA040D and GAX67B; ☐ 5mm/0.2" ❶	1	0.050
GAX5001	For GA030A..., GA063A...GA160A... and GAX67B; ☐ 5mm/0.2" ❶	1	0.075
Mechanical coupling system for 6-8 pole switch disconnectors.			
GAX6000	For GA016A...GA040A..., GA063SA... and GA040D; ☐ 5mm/0.2" ❶	1	0.050
GAX6001	For GA030A... and GA063A...GA125A..., ☐ 7mm/0.3" ❷❸	1	0.075

❶ Use GAX7... shaft extensions.
❷ Use GAX66N... handles and GAX7...AN extensions for a door coupling version.
❸ Cannot be used with GA160A....

Operational characteristics of auxiliary contacts
- Conventional free air thermal current Ith: 10A
- UL/CSA and IEC/EN/BS 60947-5-1 designation: A600-Q600
- Tightening torque: 0.8Nm/7.1lb.in.

Operational characteristics for other devices
- Tightening torque:
  - GAX31A/C-GAX33A/C terminals: 1.8...2Nm/16...18lb.in
  - GAX32A/C-GAX34A/C terminals: 5...6Nm/45...54lb.in
  - GAX5000/1-GAX6000/1 fixing: 0.5Nm/4.4lb.in; extension with handle: 0.8Nm/7.1lb.in.

Transformation of direct operating version into door coupling type:



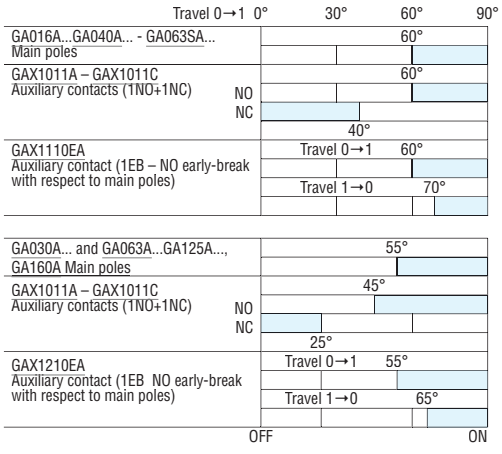
Certifications and compliance
Certifications obtained:

Type	cULus according to UL 60947-4-1 / CSA C22.2 n°14	cULus according to UL98 / CSA C22.2 n°4	EAC
GAX1011A - GAX1011C	●	—	●
GAX1110EA	●	—	●
GAX1210EA	—	●	●
GAX31A – GAX31C	●	—	●
GAX32A – GAX32C	—	●	●
GAX33A – GAX33C	●	—	●
GAX34A – GAX34C	—	●	●
GAX5000 – GAX6000	●	—	●
GAX5001 – GAX6001	—	●	●

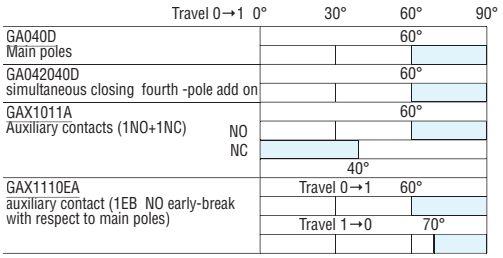
● Certification obtained.

Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-3, IEC/EN/BS 60947-5-1, UL 60947-4-1, UL98, CSA C22.2.

Strokes of GA poles (main poles with auxiliary contacts)

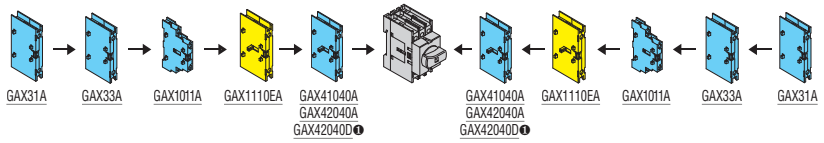


Strokes of GA...D types
(main poles and auxiliary contacts)



Maximum combinations

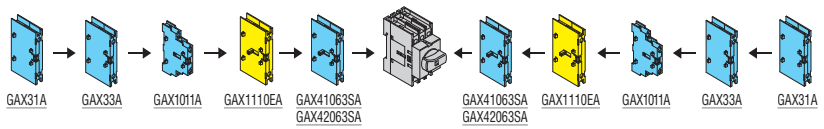
GA016A...GA040A... GA040D Sequence and maximum combination of add-on blocks on direct operating switch disconnectors.



1	1	1	—	1		—	—	2	1	1
1	1	2	—	—		1	—	1	1	1
1	1	1	—	1	**GA016A...**	—	1	1	1	1
1	1	1	1	—	**GA025A...**	1	—	1	1	1
1	1	1	1	—	**GA032A...**	—	—	2	1	1
1	1	2	—	—	**GA040A...**	—	1	1	1	1
1	1	2	—	—		—	—	2	1	1
1	1	—	—	—	**GA040D❶**	1	—	—	1	1
1	1	—	—	1		—	—	—	1	1
1	1	—	—	—		—	—	—	1	1

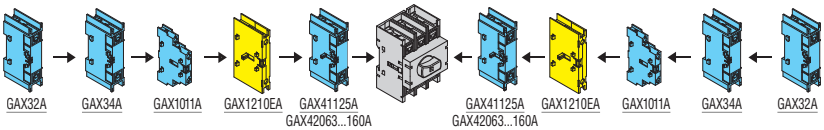
❶ GAX42040D can be used with GA040D switch only.

GA063SA...



1	1	1	—	1		—	—	2	1	1
1	1	2	—	—		1	—	1	1	1
1	1	1	—	1		—	1	1	1	1
1	1	1	1	—		1	—	1	1	1
1	1	1	1	—	**GA063SA...**	—	—	2	1	1
1	1	2	—	—		—	1	1	1	1
1	1	2	—	—		—	—	2	1	1
1	1	—	—	—		1	—	—	1	1
1	1	—	—	1		—	—	—	1	1
1	1	—	—	—		—	—	—	1	1

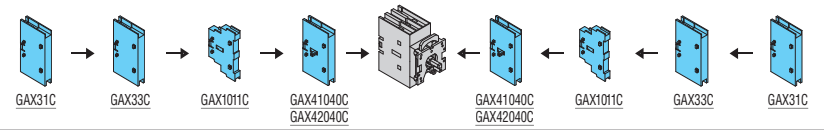
GA030A... and GA063A...GA160A...



—	—	1	—	1		—	—	2	—	—
—	—	2	—	—		1	—	1	—	—
—	—	1	—	1	**GA030A...**	—	1	1	—	—
—	—	1	1	—	**GA063A...**	1	—	1	—	—
—	—	1	1	—	**GA080A...**	—	—	2	—	—
—	—	2	—	—	**GA100A...**	—	1	1	—	—
—	—	2	—	—	**GA125A...**	—	—	2	—	—
1	1	—	—	—	**GA160A...❶**	1	—	—	1	1
1	1	—	—	1		—	—	—	1	1
1	1	—	—	—		—	—	—	1	1

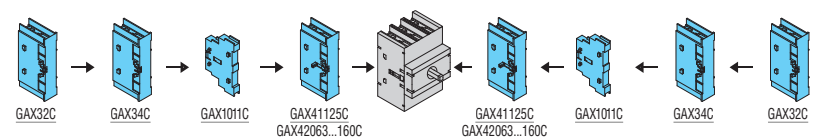
❶ GA160A... can be fitted with 1 single 4th pole (GAX42160A) on one side and an auxiliary contact on the other.

GA016C...GA040C and GA063SC Sequence and maximum combination of add-on blocks on door mount switch disconnectors.



1	1	1	1	**GA016C**	—	1	1	1
1	1	1	—	**GA025C**	1	1	1	1
1	1	—	1	**GA032C**	—	1	1	1
1	1	1	—	**GA040C**	1	—	1	1
1	1	1	—	**GA063SC**	—	1	1	1
1	1	—	—		—	—	1	1

GA030C and GA063C...GA160C

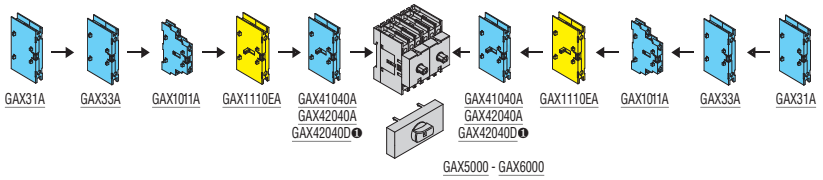


—	—	1	1	**GA030C**	—	1	—	—
—	—	1	—	**GA063C**	1	1	—	—
1	1	—	1	**GA080C**	—	1	—	—
—	—	1	—	**GA100C**	1	—	1	1
—	—	1	—	**GA125C**	—	1	—	—
1	1	—	—	**GA160C**	—	—	1	1

Maximum combinations

GA016A...GA040A... GA040D + GAX5000 - GAX6000

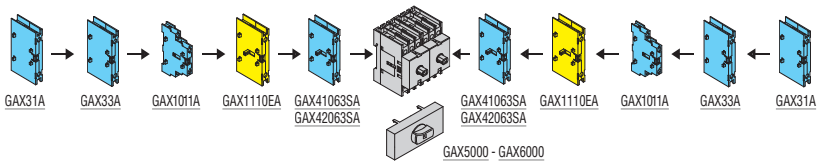
Sequence and maximum combination for mechanical coupling and mechanical interlock for line changeover.



1	1	1	—	1		1	—	1	1	1
1	1	1	—	1	GA016A ...+ GA016A ...	—	—	2	1	1
1	1	2	—	—		1	—	1	1	1
1	1	1	—	1	GA025A... + GA025A...	—	1	1	1	1
1	1	1	1	—	GA032A... + GA032A...	1	—	1	1	1
1	1	1	1	—		—	—	2	1	1
1	1	2	—	—	GA040A... + GA040A...	—	1	1	1	1
1	1	2	—	—		—	—	2	1	1
1	1	—	—	1	GA040D + GA040D ❶	1	—	—	1	1
1	1	—	—	—		—	—	—	1	1

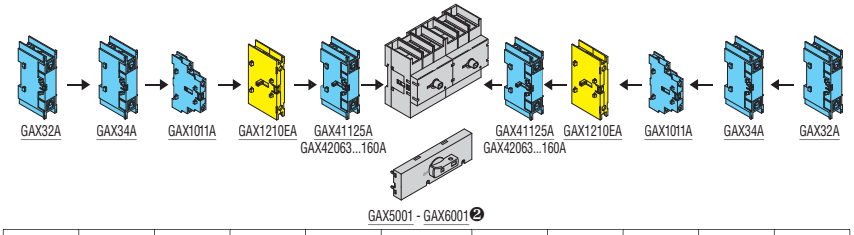
❶ GAX42040D can be used with GA040D switch only.

GA063SA... + GAX5000 - GAX6000



1	1	1	—	1		1	—	1	1	1
1	1	1	—	1		—	—	2	1	1
1	1	2	—	—		1	—	1	1	1
1	1	1	—	1		—	1	1	1	1
1	1	1	1	—	GA063SA...+ GA063SA...	1	—	1	1	1
1	1	1	1	—		—	—	2	1	1
1	1	2	—	—		—	1	1	1	1
1	1	2	—	—		—	—	2	1	1
1	1	—	—	1		1	—	—	1	1
1	1	—	—	—		—	—	—	1	1

GA030A... and GA063A...GA160A... + GAX5001 - GAX6001



—	—	1	—	1	GA030A... + GA030A...	1	—	1	—	—
—	—	1	—	1		—	—	2	—	—
—	—	2	—	—	GA063A... + GA063A...	1	—	1	—	—
—	—	1	—	1		—	1	1	—	—
—	—	1	1	—	GA080A... + GA080A...	1	—	1	—	—
—	—	1	1	—		—	—	2	—	—
—	—	2	—	—	GA100A... + GA100A...	—	1	1	—	—
—	—	2	—	—		—	—	2	—	—
1	1	—	—	1	GA125A... + GA125A...	1	—	—	1	1
1	1	—	—	—	GA160A... ❶	—	—	—	1	1

❶ GA160A... can be fitted with a single auxiliary contact (GAX1011A) per side.
❷ Cannot be used with GA160A....

Handles

GAX61

GAX63

new

GAX66N

GAX68

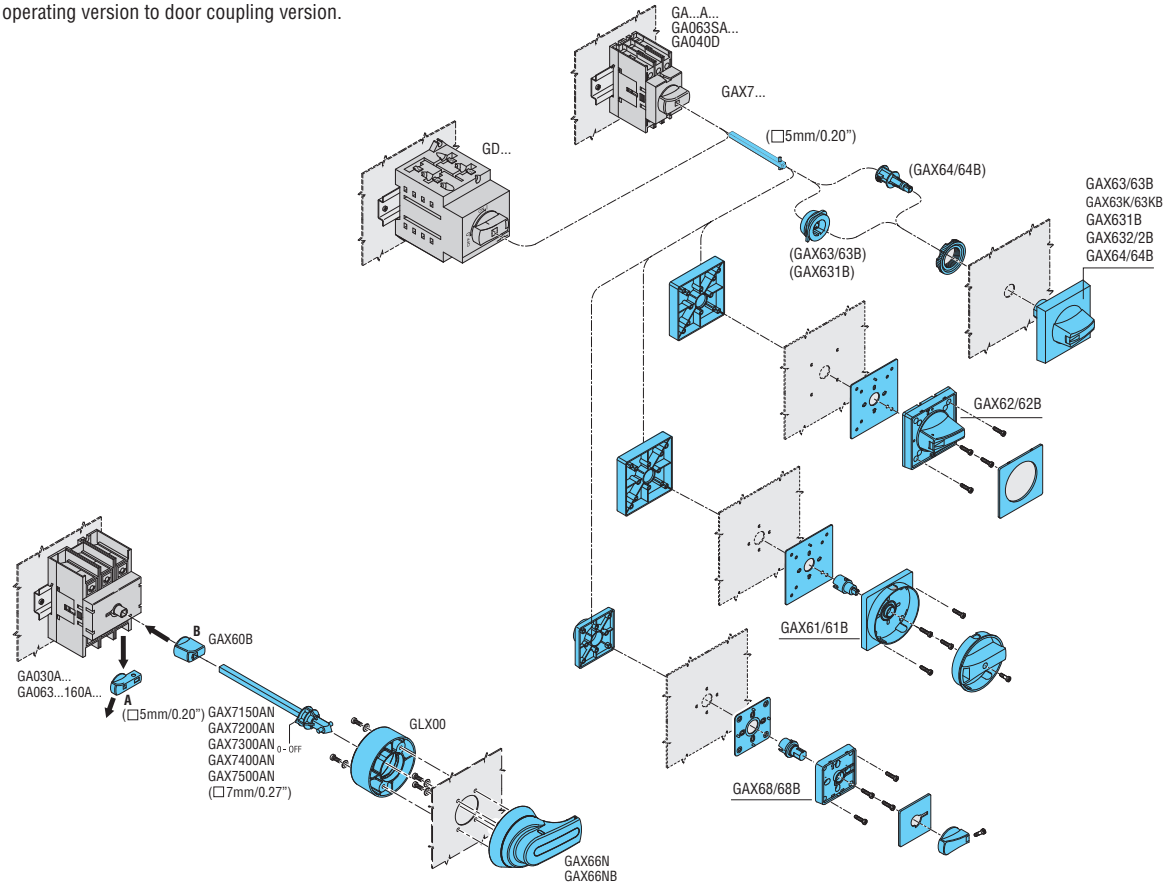
❶ For GA...A..., GA040D and GD... switch disconnectors, separately purchase extension GAX7...
❷ Snap-on fixing of GA016C...GA040C and GA063SC switch disconnectors with the handle.
❸ Separately purchase GAX7...AN shaft extension and GAX60B adaptor.

Order code	Characteristics	Qty per pkg	Wt
		no.	[kg
DOOR COUPLING VERSION PADLOCKABLE, IP65 (4X). Red/yellow.			
GAX61	For GA...A..., GA063SA..., GA...C, GA040D and GD... Screw fixing. Handle with selector flush-mounted ❶. ☐ 5mm/0.2”	1	0.073
GAX62	For GA...A..., GA063SA..., GA...C, GA040D and GD... Screw fixing. Handle with selector protruding ❶. ☐ 5mm/0.2”	1	0.072
GAX63	For GA...A..., GA063SA..., GA016C...GA040C and GA063SC, GA040D and GD... Ring fixing. Handle with selector protruding ❶❷. ☐ 5mm/0.2”	1	0.068
GAX63K	For GA...A..., GA063SA..., GA016C...GA040C and GA063SC, GA040D and GD...Ring fixing. Handle with selector protruding ❶❷. ☐ 5mm/0.2” IP69K	1	0.068
GAX632	For GA...A..., GA063SA..., GA040D and GD... Ring fixing low profile. Handle with selector protruding. ☐ 5mm/0.2” ❶	1	0.057
GAX64	For GA...A..., GA063SA..., GA040D and GD... Ring fixing. Handle with selector protruding - defeatable (requirement UL508A)❶. ☐ 5mm/0.2”	1	0.064
GAX66N	For GA030A..., GA063A...GA160A..., and GAX6001. Screw fixing. Pistol handle - defeatable (req. UL 508A)❸. ☐ 7mm/0.3”	1	0.140
GAX68	For GA016A...GA063SA..., GA040D, GA016C...GA040 C, GD and GA063SC. Screw fixing. Handle with selector lowered ❶. ☐ 5mm/0.2”	1	0.060

General and operational characteristics
- Choice of handle fixing: ring or screw
- Handle fixing centres:
  - GAX61/61B-GAX62/62B-GAX67B: 36x36mm/1.42x1.42” or 48x48mm/1.89x1.89”
  - GAX66N/66NB: 28x40mm/1.10x1.57”
  - GAX68/68B: 28x28mm/1.10x1.10” or 36x36mm/1.42x1.42”
  - Compatible with pre-existing drillings of most common types in the marketplace
- 1 to 3 padlocks in the Ø4...8mm/0.16...0.31” for all handles except:
  - GAX68 only 1 padlock in the Ø4...8mm/0.16...0.31”
  - GAX61 up to 3 padlocks in the Ø5...8mm/0.20...0.31”
- Front plate dimensions:
  - GAX61/61B-GAX62/62B-GAX63/63B-GAX64/64B-GAX67/67B: 65x65mm/2.56x2.56”
  - GAX66N/66NB: Ø76mm/2.99”
  - GAX68/68B: 48x48mm/1.89x1.89”
- Tightening torque:
  - Fixing ring types: 2.3Nm/20.4lb.in
  - GAX60B: 0.8Nm/7lb.in
  - GAX66N/66NB: 1.5Nm/13.3lb.in
  - All others: 0.8Nm/7lb.in
- Degree of protection for all: IP65
- Degree of protection for GAX66N/66NB: IP66, IP69K; for UL/CSA data see detail on page 12-16.

Certifications and compliance
See the table on page 12-16.

From direct operating version to door coupling version.



Handles

GAX61B

GAX63...B

new

GAX632B

GAX67B

❶ For GA...A..., GA040D and GD... switch disconnectors, separately purchase extension GAX7...
❷ Snap-on fixing of GA016C...GA040C and GA063SC switch disconnectors with the handle.
❸ Separately purchase GAX7...AN shaft extension and GAX60B adaptor.

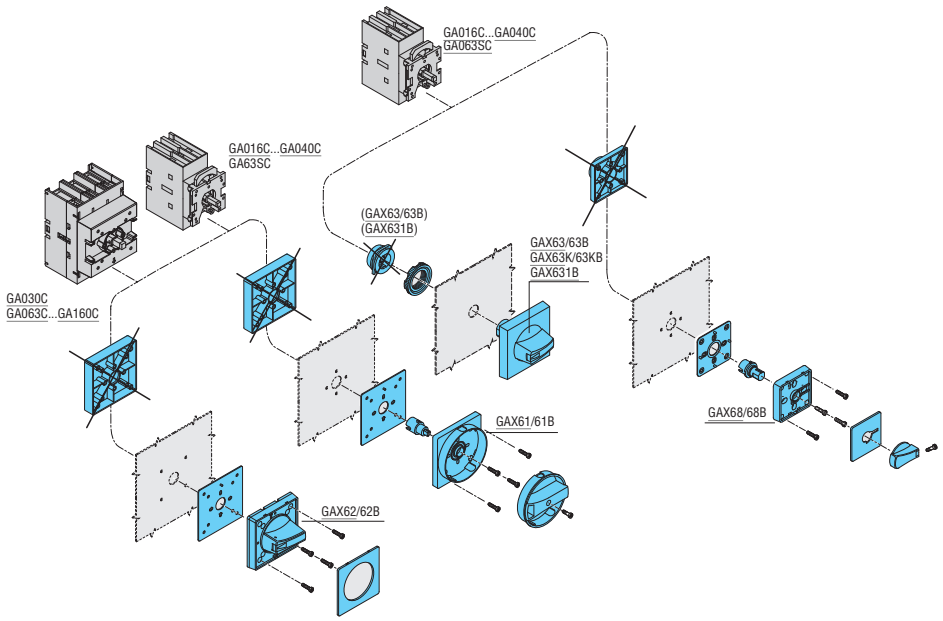
Order code	Characteristics	Qty per pkg	Wt
		no.	[kg
Black.			
GAX61B	For GA...A..., GA063SA..., GA...C, GA040D and GD... Screw fixing. Handle with selector flush-mounted ❶. ☐ 5mm/0.2"	1	0,073
GAX62B	For GA...A..., GA063SA..., GA...C, GA040D and GD... Screw fixing. Handle with selector protruding ❶. ☐ 5mm/0.2"	1	0,072
GAX63B	For GA...A..., GA063SA..., GA016C...GA040C and GA063SC, GA040D and GD... Ring fixing. Handle with selector protruding ❶❷. ☐ 5mm/0.2"	1	0,068
GAX63KB	For GA...A..., GA063SA..., GA016C...GA040C, GA040D, GD... and GA063SC. Ring fixing. Handle with selector protruding ❶❷ ☐ 5mm/0.2". IP69K	1	0.068
GAX631B	For GA...A..., GA063SA..., GA016C...GA040C and GA063SC, GA040D and GD... Ring fixing. Handle with selector protruding padlockable in ON pos. (UNI 9490 and UNI EN 12845) ❶❷. ☐ 5mm/0.2"	1	0,074
GAX632B	For GA...A..., GA063SA..., GA040D and GD... Ring fixing low profile. Handle with selector protruding. ☐ 5mm/0.2" ❶	1	0,057
GAX64B	For GA...A..., GA063SA..., GA040D and GD... Ring fixing. Handle with selector protruding - defeatable (requir.UL508A)❶. ☐ 5mm/0.2"	1	0,064
GAX66NB	For GA030A..., GA063A...GA160A... and GAX6001. Screw fixing. Pistol handle - defeatable (req. UL 508A)❸. ☐ 7mm/0.3"	1	0.140
GAX67B	For mechanical interlock GAX50... (I-O-II)❶. ☐ 5mm/0.2"	1	0.078
GAX68B	For GA016A...GA063SA..., GA040D, GA016C...GA040C, GA063SC and GD... Screw fixing. Handle with selector lowered ❶. ☐ 5mm/0.2"	1	0.060

General and operational characteristics
- Choice of handle fixing: ring or screw
- Handle fixing centres:
  - GAX61/61B-GAX62/62B-GAX67B: 36x36mm/1.42x1.42" or 48x48mm/1.89x1.89"
  - GAX66N/66NB: 28x40mm/1.10x1.57"
  - GAX68/68B: 28x28mm/1.10x1.10" or 36x36mm/1.42x1.42"
  - Compatible with pre-existing drillings of most common types in the marketplace
- 1 to 3 padlocks in the Ø4...8mm/0.16...0.31" for all handles except:
  - GAX68 only 1 padlock in the Ø4...8mm/0.16...0.31"
  - GAX61 up to 3 padlocks in the Ø5...8mm/0.20...0.31"
- Front plate dimensions:
  - GAX61/61B-GAX62/62B-GAX63/63B-GAX64/64B-GAX67/67B: 65x65mm/2.56x2.56"
  - GAX66N/66NB: Ø76mm/2.99"
  - GAX68/68B: 48x48mm/1.89x1.89"
- Tightening torque:
  - Fixing ring types: 2.3Nm/20.4lb.in
  - GAX60B: 0.8Nm/7lb.in
  - GAX66N/66NB: 1.5Nm/13.3lb.in
  - All others: 0.8Nm/7lb.in
- Degree of protection for all: IP65
- Degree of protection for GAX66N/66NB: IP66, IP69K; for UL/CSA data see detail on page 12-16.

Certifications and compliance
See the table on page 12-16.

12

Door mount version.

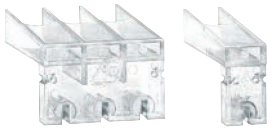


Shaft extensions
Terminal covers
Fuse holders/blocks

GAX7...

GAX7... AN

GAX18S0...



GAX8...

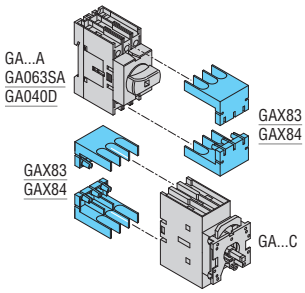
GAX391

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
Shaft extension for door coupling handles GAX61...GAX64, GAX68, GAX61B...GAX64B, GAX67B, GAX68B and mechanical interlock type GAX5000, GAX5001 and mechanical coupling GAX6000 ❶.			
GAX7055	55mm/2.16" long ☐ 5mm/0.2"	1	0.012
GAX7070	70mm/2.75" long ☐ 5mm/0.2"	1	0.014
GAX7090	90mm/3.54" long ☐ 5mm/0.2"	1	0.018
GAX7150	150mm/5.90" long ☐ 5mm/0.2"	1	0.032
GAX7200	200mm/7.87" long ☐ 5mm/0.2"	1	0.070
GAX7300	300mm/11.81" long ☐ 5mm/0.2"	1	0.068
GAX7400	400mm/15.75" long ☐ 5mm/0.2"	1	0.072
GAX7500	500mm/19.68" long ☐ 5mm/0.2"	1	0.090
Shaft extension for door coupling handles GAX66N, GAX66NB and mechanical coupling system GAX6001.			
GAX7150AN	150mm/5.90" long ☐ 7mm/0.3"	1	0.090
GAX7200AN	200mm/7.87" long ☐ 7mm/0.3"	1	0.112
GAX7300AN	300mm/11.81" long ☐ 7mm/0.3"	1	0.160
GAX7400AN	400mm/15.74" long ☐ 7mm/0.3"	1	0.200
GAX7500AN	500mm/19.68" long ☐ 7mm/0.3"	1	0.250
Adaptor for GAX66N and GAX66NB handles.			
GAX60B	Adaptor ☐ 7mm/0.3" for GA030A...GA160A...	1	0.010
Accessory for shaft extension.			
GLX00	Shaft alignment ring	1	0.040
Support for shaft extension.			
GAX18S05	☐ 5mm/0.2"	1	0.160
GAX18S07	☐ 7mm/0.27"	1	0.160
Set of 2 one-pole terminal covers for fourth pole.			
GAX81	For GAX42040A, GAX42063SA, GAX42063SC, GAX42040C, GAX42040D, GAX41040A, GAX41063A and GAX41040C	1	0.009
GAX82	For GAX42063A...GAX42160A	1	0.012
Set of 2 three-pole terminal covers.			
GAX83	For GA016A...GA040A..., GA063SA..., GA016C...GA063C, GA063SC and GA040D	1	0.011
GAX84	For GA030A...GA160A..., GA030C...GA160C	1	0.030
Fuse holder for switch disconnectors.			
GAX391	For GA016A...GA032A... Suitable for 10.3x38 fuse size	1	0.132
GAX391UL	For GA016A...GA025A... Suitable for Class CC fuses	1	0,135

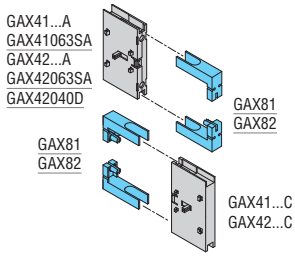
❶ Other lenght available on request.

Operational characteristics of fuse holder
- IEC rated insulation voltage Ui: 1000V
- IEC rated impulse withstand Uimp: 8kV
- The fuse holder/blocks connects directly to the switch disconnectors
- Access to fuses only when the switch disconnectors are in OFF position.

Terminal covers
For switch disconnectors



For fourth pole



Certifications and compliance
Certifications obtained:

Type	cULus according to UL60947-4-1 / CSA C22.2 n°60947-4-1	cULus according to UL98 / CSA C22.2 n°4	EAC
GAX61-GAX61B	●	●	●
GAX62-GAX62B	●	●	●
GAX63-GAX63B	●	●	●
GAX631B	—	—	●
GAX632-GAX632B	●	●	●
GAX64-GAX64B	●	●	●
GAX66N-GAX66NB	—	●	●
GAX67B	●	●	●
GAX68-GAX68B	●	—	●
GAX60B	—	●	●
GAX7055...GAX7500	●	●	●
GAX7150AN...GAX7300AN	—	●	●
GAX81-GAX83	●	—	●
GAX82-GAX84	—	●	●
GAX391	—	—	●
GAX391UL	●	—	—

● Certification obtained.

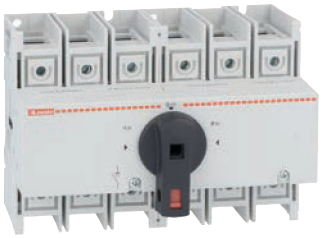
NOTE: types GAX61/61B, GAX62/62B, GAX63/63B, GAX632/2B, GAX64/64B, GAX68/68B, GX67 are UL/CSA Type 1, 2, 3R, 12, 12K, 4, 4X external use when used with types GA016...40A/C, GA040D and GA063SA.
GAX61/61B, GAX62/62B, GAX63/63B, GAX632/2B, GAX64/64B, GAX66/66B, GX67 are UL/CSA Type 1, 3R, 12, 12K, 4, 4X external use when used with types GA030A/C and GA063...GA125A/C.

Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-3, UL60947-4-1, UL98, CSA C22.2.

Assembled changeover switches

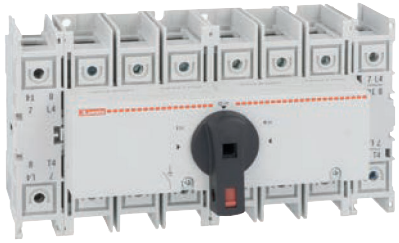
GA025...063...ET6

new



GA080...160ET6

GA025...063...ET8



GA080...160ET8

Order code	IEC conventional thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC22A (≤690V) AC23A (≤400V)	Qty per pkg	Wt
	[A]	[A]	n°	[kg]
Three-pole versions.				
GA025ET6	25	25	1	0.350
GA040ET6	40	40	1	0.350
GA063SAET6	63	45	1	0.350
GA080ET6	80	80	1	0.881
GA125ET6	125	125	1	0.881
GA160ET6	160	125	1	0.881
Four-pole versions.				
GA025ET8	25	25	1	1.250
GA040ET8	40	40	1	1.250
GA063SAET8	63	45	1	1.250
GA080ET8	80	80	1	1.133
GA125ET8	125	125	1	1.133
GA160ET8	160	125	1	1.133

Components

Switch disconnector	Fourth pole	Mechanical interlock
2 x GA025A	-	GAX5000
2 x GA040A	-	GAX5000
2 x GA063SA	-	GAX5000
2 x GA080A	-	GAX5001
2 x GA125A	-	GAX5001
2 x GA160A	-	GAX5001
2 x GA025A	2 x GAX42040A	GAX5000
2 x GA040A	2 x GAX42040A	GAX5000
2 x GA063SA	2 x GAX42063SA	GAX5000
2 x GA080A	2 x GAX42080A	GAX5001
2 x GA125A	2 x GAX42125A	GAX5001
2 x GA160A	2 x GAX42160A	GAX5001

12

Switch disconnectors complete with shaft extension, door-coupling handle and terminal covers

GA...A...K...

new

Order code	IEC conventional thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC22A (≤690V) AC23A (≤400V)	Poles	Qty per pkg	Wt
	[A]	[A]	n°	n°	[kg]
Three-pole versions.					
GA025AK30063	25	25	3P	1	0.302
GA040AK30063	40	40	3P	1	0.302
GA063SAK30063	63	45	3P	1	0.302
Four-pole versions.					
GA025AK30063T4	25	25	4P	1	0.356
GA040AK30063T4	40	40	4P	1	0.356
GA063SAK30063T4	63	45	4P	1	0.356

Components

Switch disconnector	Fourth pole	Terminal cover	
		3P	1P
GA025A	–	GAX83	–
GA040A	–	GAX83	–
GA063SA	–	GAX83	–
GA025A	GAX42040A	GAX83	GAX81
GA040A	GAX42040A	GAX83	GAX81
GA063SA	GAX42063SA	GAX83	GAX81

– 300mm shaft extension: GAX7300
– Red/yellow door-coupling handle: GAX63
– 2 pcs-set of terminal covers for both line and load terminals protection.

Empty plastic enclosures IEC/EN IP65 type

GAZ1

GAZ2

GAZ3

GAX30

Order code	Description	Qty per pkg	Wt
		n°	[kg]
For switch disconnectors. With red/yellow handle. Complete with shaft extension.			
GAZ1	For GA016A...GA040A.../D	1	0.320
GAZ2	For GA063SA..., GA030A... and GA063A...GA100A...	1	0.780
GAZ3	For GA125A...GA160A...	1	1.900
With black handle. Complete with shaft extension.			
GAZ1B	For GA016A...GA040A.../D	1	0.320
GAZ2B	For GA063SA..., GA030A... and GA063A...GA100A	1	0.730
GAZ3B	For GA125A...GA160A...	1	1.900
Accessory.			
GAX30	Shielded cable fixing kit for GAZ1 and GAZ1B	1	0.083

The empty enclosures are supplied with the following accessories:

Enclosure	GAZ1 GAZ1B	GAZ2 GAZ2B	GAZ3 GAZ3B
Red/yellow handle	GAX61	GAX61	GAX61
Black handle	GAX61B	GAX61B	GAX61B
Extension	1	1	1
Neutral plate terminal	1	1	-
Earth/Ground plate terminal	1	1	-

General characteristics
- Enclosure material: ABS
- Padlockable handles
- Sealable cover
- Tightening torque for cover screws:
  - GAZ1...: 1.3Nm/16lb.in
  - GAZ2... and GAZ3...: 1.5Nm/13lb.in
- Degree of protection: IP65
- Cable entry:
  - GAZ1... types: PG16/M25 and PG13.5/M20 knockouts
  - GAZ2... types: PG16/M25 and PG29/M32 knockouts
  - GAZ3... types: smooth surfaces; can be drilled by customer.

Certifications and compliance
Certifications obtained: EAC.
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1.

Empty plastic enclosures UL/CSA Type 4/4X

GAZ1UL

GAZ2UL

GAX30

Order code	Description	Qty per pkg	Wt
		no.	[kg]
For switch disconnectors. With red/yellow handle. Complete with shaft extension.			
GAZ1UL	For GA016A...GA040A... and GA040D	1	0.320
GAZ2UL	For GA063SA...	1	0.730
With black handle. Complete with shaft extension.			
GAZ1BUL	For GA016A...GA040A... and GA040D	1	0.320
GAZ2BUL	For GA063SA...	1	0.730
Accessory.			
GAX30	Shielded cable fixing kit for GAZ1UL and GAZ1BUL	1	0.083

The empty enclosures are supplied with the following accessories:

Enclosure	GAZ1UL GAZ1BUL	GAZ2UL GAZ2BUL
Red/yellow handle	GAX61	GAX61
Black handle	GAX61B	GAX61B
Extension	1	1
Neutral plate terminal	1	1
Earth/Ground plate terminal	1	1

General characteristics
- Enclosure material: polycarbonate
- Padlockable handles
- Sealable cover
- Tightening torque for cover screws:
  - GAZ1...UL: 1.3Nm/16lb.in
  - GAZ2...UL: 1.5Nm/13lb.in
- Degree of protection: IP65; UL/CSA Type 4/4X
- Cable entry:
  - GAZ1...UL types: PG16/M25 and PG13.5/M20 knockouts
  - GAZ2...UL types: PG16/M25 and PG29/M32 knockouts.

Certifications and compliance
Certifications obtained: cULus for GAZ1...UL and GAZ2...UL types; EAC for all.
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1, UL60947-4-1 and CSA C22.2 n°60947-4-1.

Dimensions
page 12-50 and 51

IEC/EN IP65 in plastic enclosure

GAZ016...GAZ040...

GAZ063...100C

GAZ125... GAZ160...

Order code	IEC conventional thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC23B (≤400V)	IEC rated operational current Ie AC23B (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
THREE-POLE. With red/yellow handle.					
GAZ016	16	16	16	1	0.450
GAZ025	25	25	25	1	0.450
GAZ032	32	32	25	1	0.450
GAZ040	40	40	25	1	0.450
GAZ063SA	63	45	25	1	0.870
GAZ063C	63	63	63	1	1.220
GAZ080C	80	80	63	1	1.220
GAZ100C	100	100	80	1	1.220
GAZ125	125	125	100	1	2.220
GAZ160	160	125	100	1	2.220
THREE-POLE. With black handle.					
GAZ016B	16	16	16	1	0.450
GAZ025B	25	25	25	1	0.450
GAZ032B	32	32	25	1	0.450
GAZ040B	40	40	25	1	0.450
GAZ063SAB	63	45	25	1	0.870
GAZ063CB	63	63	63	1	1.220
GAZ080CB	80	80	63	1	1.220
GAZ100CB	100	100	80	1	1.220
GAZ125B	125	125	100	1	2.220
GAZ160B	160	125	100	1	2.220
FOUR-POLE. With red/yellow handle.					
GAZ016T4	16	16	16	1	0.550
GAZ032T4	32	32	25	1	0.550
GAZ040T4	40	40	25	1	0.550
GAZ063SAT4	63	45	25	1	0.780
GAZ063CT4	63	63	63	1	1.250
GAZ100CT4	100	100	80	1	1.250
GAZ125T4	125	125	100	1	2.500
GAZ160T4	160	125	100	1	2.500
FOUR-POLE. With black handle.					
GAZ016T4B	16	16	16	1	0.550
GAZ032T4B	32	32	25	1	0.550
GAZ040T4B	40	40	25	1	0.550
GAZ063SAT4B	63	45	25	1	0.780
GAZ063CT4B	63	63	63	1	1.250
GAZ100CT4B	100	100	80	1	1.250
GAZ125T4B	125	125	100	1	2.500
GAZ160T4B	160	125	100	1	2.500

Components

Enclosure	Switch disconnector	Handle included with GAZ...
GAZ1	GA016A	GAX61
GAZ1	GA025A	GAX61
GAZ1	GA032A	GAX61
GAZ1	GA040A	GAX61
GAZ2	GA063SA	GAX61
GAZ2	GA063A	GAX61
GAZ2	GA080A	GAX61
GAZ2	GA100A	GAX61
GAZ3	GA125A	GAX61
GAZ3	GA160A	GAX61
GAZ1B	GA016A	GAX61B
GAZ1B	GA025A	GAX61B
GAZ1B	GA032A	GAX61B
GAZ1B	GA040A	GAX61B
GAZ2B	GA063SA	GAX61B
GAZ2B	GA063A	GAX61B
GAZ2B	GA080A	GAX61B
GAZ2B	GA100A	GAX61B
GAZ3B	GA125A	GAX61B
GAZ3B	GA160A	GAX61B

Enclosure	Switch disconnector	4th pole	Handle
GAZ1	GA016A	GAX42040A	GAX61
GAZ1	GA032A	GAX42040A	GAX61
GAZ1	GA040A	GAX42040A	GAX61
GAZ2	GA063SA	GAX42063SA	GAX61
GAZ2	GA063A	GAX42063A	GAX61
GAZ2	GA100A	GAX42100A	GAX61
GAZ3	GA125A	GAX42125A	GAX61
GAZ3	GA160A	GAX42160A	GAX61
GAZ1B	GA016A	GAX42040A	GAX61B
GAZ1B	GA032A	GAX42040A	GAX61B
GAZ1B	GA040A	GAX42040A	GAX61B
GAZ2B	GA063SA	GAX42063SA	GAX61B
GAZ2B	GA063A	GAX42063A	GAX61B
GAZ2B	GA100A	GAX42100A	GAX61B
GAZ3B	GA125A	GAX42125A	GAX61B
GAZ3B	GA160A	GAX42160A	GAX61B

General characteristics
- Enclosure material: ABS
- For four-pole types not indicated, separately purchase corresponding fourth pole GAX42...A and install on enclosed 3-pole version
- Possible accessories to mount afterwards, if any required:
  - GAX30 to provide shielded cable connection continuity (e.g. with static converters)
  - GAZ016...GAZ040...: 1 contact block both on the right and left disconnector side unless 4th pole is installed
  - Other types: 2 contact blocks both on the right and left disconnector side unless 4th pole is installed
  - GAZ125...GAZ160...: if any earth/ground and/or neutral terminal required, separately purchase types GAX3... given on page 12-11.
- Padlockable handles
- Sealable cover
- Tightening torque for cover screws:
  - GAZ016...GAZ040...: 1.3Nm/16lb.in
  - Other types: 1.5Nm/13lb.in
- Degree of protection: IP65
- Cable entry:
  - GAZ016..., GAZ040... types: PG16/M25 and PG13.5/M20 knockouts
  - GAZ063SA...GAZ100... types: PG16/M25 and PG29/M32 knockouts
  - GAZ125..., GAZ160... types: smooth surfaces; can be drilled by customer.

Certifications and compliance
Certifications obtained: cULus (not for GAZ160), EAC.
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1.

UL/CSA, Type 4/4X in plastic enclosure

GAZ016...GAZ040...UL

GAZ063SAUL

GAZ063UL - GAZ125UL

Order code	IEC conventional thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC23B (≤400V)	AC23B (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
THREE-POLE. With red/yellow handle.					
GAZ016UL	16	16	16	1	0.450
GAZ025UL	25	25	25	1	0.450
GAZ032UL	32	32	25	1	0.450
GAZ040UL	40	40	25	1	0.450
GAZ063SAUL	63	45	25	1	0.870
GAZ063UL	63	63	63	1	1.220
GAZ080UL	80	80	63	1	2.220
GAZ100UL	100	100	80	1	2.220
GAZ125UL	125	125	100	1	2.220
THREE-POLE. With black handle.					
GAZ016BUL	16	16	16	1	0.450
GAZ025BUL	25	25	25	1	0.450
GAZ032BUL	32	32	25	1	0.450
GAZ040BUL	40	40	25	1	0.450
GAZ063SABUL	63	45	25	1	0.870
GAZ063BUL	63	63	63	1	1.220
GAZ080BUL	80	80	63	1	2.220
GAZ100BUL	100	100	80	1	2.220
GAZ125BUL	125	125	100	1	2.220
FOUR-POLE. With red/yellow handle.					
GAZ016T4UL	16	16	16	1	0.550
GAZ032T4UL	32	32	25	1	0.550
GAZ063T4UL	63	63	63	1	1.150
GAZ100T4UL	100	100	80	1	2.500
GAZ125T4UL	125	125	100	1	2.500
FOUR-POLE. With black handle.					
GAZ016T4BUL	16	16	16	1	0.550
GAZ032T4BUL	32	32	25	1	0.550
GAZ063T4BUL	63	63	63	1	1.150
GAZ100T4BUL	100	100	80	1	2.500
GAZ125T4BUL	125	125	100	1	2.500

Components

Enclosure	Switch disconnector	Handle included with GAZ...
GAZ1UL	GA016A	GAX61
GAZ1UL	GA025A	GAX61
GAZ1UL	GA032A	GAX61
GAZ1UL	GA040A	GAX61
GAZ2UL	GA063SA	GAX61
GAZ3 ❶	GA063A	GAX61
GAZ3 ❶	GA080A	GAX61
GAZ3 ❶	GA100A	GAX61
GAZ3 ❶	GA125A	GAX61
GAZ1BUL	GA016A	GAX61B
GAZ1BUL	GA025A	GAX61B
GAZ1BUL	GA032A	GAX61B
GAZ1BUL	GA040A	GAX61B
GAZ2BUL	GA063SA	GAX61B
GAZ3B ❶	GA063A	GAX61B
GAZ3B ❶	GA080A	GAX61B
GAZ3B ❶	GA100A	GAX61B
GAZ3B ❶	GA125A	GAX61B

Enclosure	Switch disconnector	4th pole	Handle
GAZ1UL	GA016A	GAX42040A	GAX61
GAZ1UL	GA032A	GAX42040A	GAX61
GAZ3 ❶	GA063A	GAX42063A	GAX61
GAZ3 ❶	GA100A	GAX42100A	GAX61
GAZ3 ❶	GA125A	GAX42125A	GAX61
GAZ1BUL	GA016A	GAX42040A	GAX61B
GAZ1BUL	GA032A	GAX42040A	GAX61B
GAZ3B ❶	GA063A	GAX42063A	GAX61B
GAZ3B ❶	GA100A	GAX42100A	GAX61B
GAZ3B ❶	GA125A	GAX42125A	GAX61B

❶ For more details contact our Technical support; see contact details on inside front cover.

General characteristics
- Enclosure material: polycarbonate
- For four-pole types not indicated, separately purchase corresponding fourth pole GAX4...A and install on enclosed 3-pole UL-suffix version
- Possible accessories to mount afterwards, if any required:
  - GAX30 to provide shielded cable connection continuity (e.g. with static converters)
  - GAZ016...GAZ040..: 1 contact block both on the right and left disconnector side unless 4th pole is installed
  - Other types: 2 contact blocks both on the right and left disconnector side unless 4th pole is installed
- Padlockable handles
- Sealable cover
- Tightening torque for cover screws:
  - GAZ016...GAZ040...UL: 1.3Nm/16lb.in
  - Other types: 1.5Nm/13lb.in
- Degree of protection: IP65; UL/CSA Type 4/4X
- Cable entry:
  - GAZ016...GAZ040...UL types: PG16/M25 and PG13.5/M20 knockouts
  - GAZ063SA...UL types: PG16/M25 and PG29/M32 knockouts
  - GAZ063...GAZ125...UL types: smooth surfaces; can be drilled by customer.

Certifications and compliance
Certifications obtained: cULus for GAZ016... GAZ125...UL, GAZ1...UL and GAZ2...UL types; EAC.
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1, UL60947-4-1 and CSA C22.2 n°60947-4-1 (up to GAZ063SA...), UL98 and CSA C22.2 n°4 (for all others).

UL/CSA, Type 4/4X in plastic enclosure

GAZ025E...GAZ063SAE...

GAZ080E...
GAZ160E...

Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC23B (≤400V)	IEC rated operational current Ie AC23B (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
3-pole line changeover switches I-0-II. Black handle.					
GAZ025ET6	25	25	25	1	1.060
GAZ040ET6	40	40	25	1	1.060
GAZ063SAET6	63	45	25	1	1.070
GAZ080ET6	80	80	63	1	2.950
GAZ125ET6	125	125	100	1	2.950
GAZ160ET6	160	125	100	1	2.950
4-pole line changeover switches I-0-II. Black handle.					
GAZ025ET8	25	25	25	1	1.060
GAZ040ET8	40	40	25	1	1.060
GAZ063SAET8	63	45	25	1	1.070
GAZ080ET8	80	80	63	1	2.950
GAZ125ET8	125	125	100	1	2.950
GAZ160ET8	160	125	100	1	2.950

UL/CSA ratings

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC	Short-circuit rating at 600VAC	Fuse class - max rating at 600V
	120V	240V	200-208V	240V	480V	600V	[A]	[kA]	Type - [A]
GAZ016...	1	2	5	5	10	10	16	5	RK5 - 20A
GAZ025...	1½	3	7½	7½	15	20	25	5	RK5 - 30A
GAZ032...	2	5	10	10	20	20	32	5	RK5 - 35A
GAZ040...	2	5	10	15	20	25	40	5	RK5 - 45A
GAZ063S...	2	7½	10	15	30	30	60	5	RK5 - 45A

NOTE: Above ratings are valid for GAZ016 - GAZ063S...UL types, according to UL508 and CSA 22.2 n°14.

Type ❶	1 phase [HP]		3 phase [HP]				General use at 600VAC	Short-circuit rating at 600VAC	Max fuse rating at 600V
	120V	240V	200-208V❷	240V	480V	600V	[A]	[kA]	[A]
GAZ063C...	3	7½	20	20	40	40	60	10	100
GAZ080...	3	10	25	25	40	40	100	10	100
GAZ100...	5	10	30	30	50	50	100	10	100
GAZ125...	7½	10	30	30	60	60	100	10	100

NOTE: Above ratings are valid for GAZ063C - GAZ125... types, according to UL98 and CSA C22.2 n°4.
❶ Lower ratings in this same UL/CSA category are available on specific request for volume orders. For information, consult Technical support; see contact details on inside front cover.
❷ Voltage value not considered in UL98 / CSA 22.2 n°4 standards.

Components

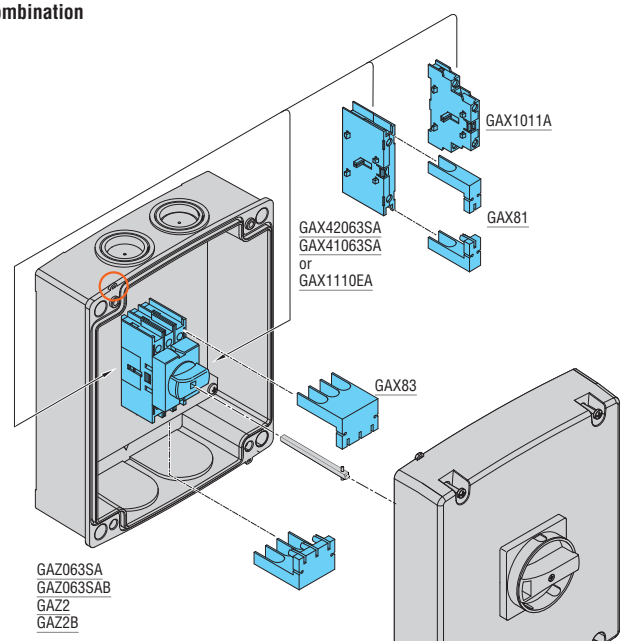
Enclosure	Switch disconnectors	Mechanical interlock	Handle
GAZUL❶	2x GA025A	GAX5000	GAX67B
GAZUL❶	2x GA040A	GAX5000	GAX67B
GAZUL❶	2x GA063SA	GAX5000	GAX67B
GAZ3❶	2x GA080A	GAX5001	GAX67B
GAZ3❶	2x GA125A	GAX5001	GAX67B
GAZ3❶	2x GA160A	GAX5001	GAX67B
Enclosure	Switch disconnectors	Mechanical interlock	Handle
GAZUL❶	2x GA025A + 2x GAX42040A	GAX5000	GAX67B
GAZUL❶	2x GA040A + 2x GAX42040A	GAX5000	GAX67B
GAZUL❶	2x GA063SA + 2x GAX42063SA	GAX5000	GAX67B
GAZ3❶	2x GA080A + 2x GAX42080A	GAX5001	GAX67B
GAZ3❶	2x GA125A + 2x GAX42125A	GAX5001	GAX67B
GAZ3❶	2x GA160A + 2x GAX42160A	GAX5001	GAX67B

❶ For more details contact our Technical support; see contact details on inside front cover.

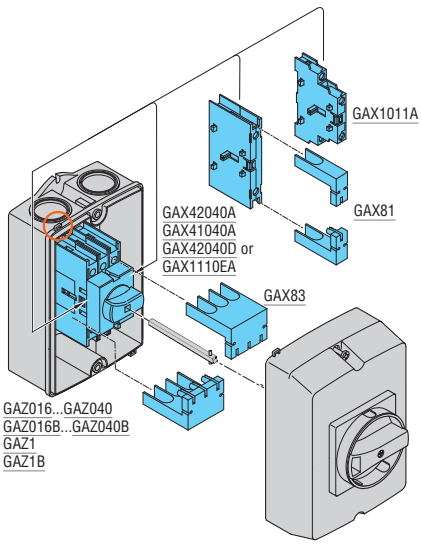
General characteristics
- Enclosure material: polycarbonate
- Possibility of fitting:
  - 2 contact blocks both on the right and left side for GAZ...ET6 types
  - 1 contact block both on the right and left side for GAZ...ET8 types
- Padlockable handle complete with extension
- Earth and neutral plate terminals
- Sealable enclosure cover
- Tightening torque for cover screws: 1.5Nm/13lb.in
- Degree of protection: IP65; UL/CSA Type 4/4X
- Cable entry:
  - GAZ025...GAZ063SA... types: PG16/M25 and PG29/M32 knockouts
  - GAZ080... and GAZ160... types: smooth surfaces; can be drilled by customer.

Certifications and compliance
Certifications obtained: cULus (except GAZ160E...), EAC.
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1, UL60947-4-1 and CSA C22.2 n°60947-4-1 (up to GAZ063SA...), UL98 and CSA C22.2 n°4 (for all others except GAZ160E...).

Maximum combination
Enclosures

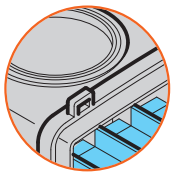


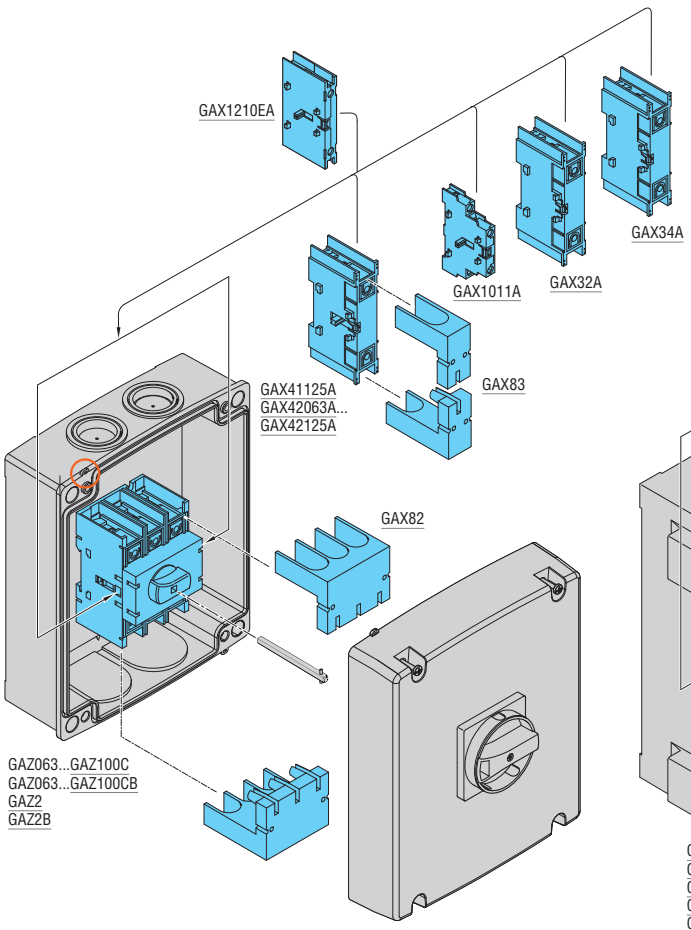
Two auxiliary contacts blocks can be fitted both on the right and left sides of the disconnector unless the fourth pole is installed. The earth and neutral plate terminals are standard supplied on the enclosure base.

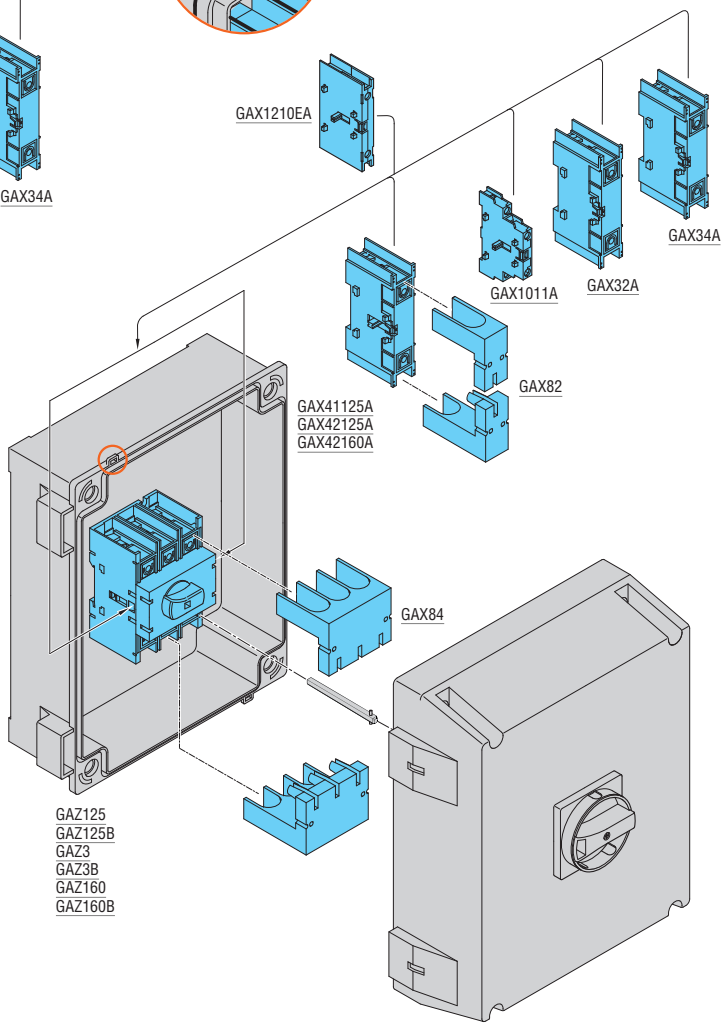


One auxiliary contact block can be fitted on the right and left sides of the disconnector unless the fourth pole is installed. The earth and neutral plate terminals are standard supplied on the enclosure base.

Sealing eyelet







Two auxiliary contact blocks can be fitted both on the right and left sides of the disconnector unless the fourth pole is installed.
Earth and neutral plate terminals are standard supplied on the box base
If any earth/ground and/or neutral terminals are required, type GAX3..., purchase separately.

IEC/EN IP65 in metal enclosure

GAZM016...GAZM100...

GAZM125...GAZM160...

Order code	IEC conventional thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC23B (≤400V)	AC23B (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
THREE-POLE. With red/yellow handle.					
GAZM016	16	16	16	1	2.150
GAZM025	25	25	25	1	2.150
GAZM032	32	32	25	1	2.150
GAZM040	40	40	25	1	2.150
GAZM063SA	63	45	25	1	2.150
GAZM063	63	63	63	1	2.380
GAZM080	80	80	63	1	2.380
GAZM100	100	100	80	1	2.380
GAZM125	125	125	100	1	3.550
GAZM160	160	125	100	1	3.550
THREE-POLE. With black handle.					
GAZM016B	16	16	16	1	2.150
GAZM025B	25	25	25	1	2.150
GAZM032B	32	32	25	1	2.150
GAZM040B	40	40	25	1	2.150
GAZM063SAB	63	45	25	1	2.150
GAZM063B	63	63	63	1	2.380
GAZM080B	80	80	63	1	2.380
GAZM100B	100	100	80	1	2.380
GAZM125B	125	125	100	1	3.550
GAZM160B	160	125	100	1	3.550
FOUR-POLE. With red/yellow handle.					
GAZM016T4	16	16	16	1	2.195
GAZM032T4	32	32	25	1	2.195
GAZM040T4	40	40	25	1	2.195
GAZM063SAT4	63	45	25	1	2.195
GAZM063T4	63	63	63	1	2.506
GAZM100T4	100	100	80	1	2.506
GAZM125T4	125	125	100	1	3.676
GAZM160T4	160	125	100	1	3.676
FOUR-POLE. With black handle.					
GAZM016T4B	16	16	16	1	2.195
GAZM032T4B	32	32	25	1	2.195
GAZM040T4B	40	40	25	1	2.195
GAZM063SAT4B	63	45	25	1	2.195
GAZM063T4B	63	63	63	1	2.506
GAZM100T4B	100	100	80	1	2.506
GAZM125T4B	125	125	100	1	3.676
GAZM160T4B	160	125	100	1	3.676

Components[1]

Enclosure	Switch disconnector	Handle
GAZM1	GA016A	GAX61
GAZM1	GA025A	GAX61
GAZM1	GA032A	GAX61
GAZM1	GA040A	GAX61
GAZM1	GA063SA	GAX61
GAZM1	GA063A	GAX61
GAZM1	GA080A	GAX61
GAZM1	GA100A	GAX61
GAZM2	GA125A	GAX61
GAZM2	GA160A	GAX61
GAZM1	GA016A	GAX61B
GAZM1	GA025A	GAX61B
GAZM1	GA032A	GAX61B
GAZM1	GA040A	GAX61B
GAZM1	GA063SA	GAX61B
GAZM1	GA063A	GAX61B
GAZM1	GA080A	GAX61B
GAZM1	GA100A	GAX61B
GAZM2	GA125A	GAX61B
GAZM2	GA160A	GAX61B

Enclosure	Switch disconnector	4th pole	Handle
GAZM1	GA016A	GAX42040A	GAX61
GAZM1	GA032A	GAX42040A	GAX61
GAZM1	GA040A	GAX42040A	GAX61
GAZM1	GA063SA	GAX42063SA	GAX61
GAZM1	GA063A	GAX42063A	GAX61
GAZM1	GA100A	GAX42100A	GAX61
GAZM2	GA125A	GAX42125A	GAX61
GAZM2	GA160A	GAX42160A	GAX61
GAZM1	GA016A	GAX42040A	GAX61B
GAZM1	GA032A	GAX42040A	GAX61B
GAZM1	GA040A	GAX42040A	GAX61B
GAZM1	GA063SA	GAX42063SA	GAX61B
GAZM1	GA063A	GAX42063A	GAX61B
GAZM1	GA100A	GAX42100A	GAX61B
GAZM2	GA125A	GAX42125A	GAX61B
GAZM2	GA160A	GAX42160A	GAX61B

[1] Extension shaft GAX7... has to be added; for more details contact our Technical support; see contact details on inside front cover.

General characteristics
- Enclosure material: painted sheet steel
- Padlockable handle
- Front door closing with screws
- Degree of protection: IP65
- Cable entry: smooth surfaces; can be drilled by customer.

Certifications and compliance
Certifications: EAC (pending).
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1.

IEC/EN IP65 in metal enclosure

GAZM080ET8...GAZM160ET8...

Order code	IEC conventional thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC23B (≤400V)	AC23B (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
3-pole line changeover switches I-0-II. Black handle					
GAZM025ET6	25	25	25	1	1.983
GAZM040ET6	40	40	25	1	1.983
GAZM063SAET6	63	45	25	1	1.983
GAZM080ET6	80	80	63	1	3.156
GAZM125ET6	125	125	100	1	3.156
GAZM160ET6	160	125	100	1	3.156
4-pole line changeover switches I-0-II. Black handle.					
GAZM025ET8	25	25	25	1	2.100
GAZM040ET8	40	40	25	1	2.100
GAZM063SAET8	63	45	25	1	2.100
GAZM080ET8	80	80	63	1	5.953
GAZM125ET8	125	125	100	1	5.953
GAZM160ET8	160	125	100	1	5.953

Components❶

Enclosure	Switches disconnectors	Mechanical interlock	Handle
GAZM1	2x GA025A	GAX5000	GAX67B
GAZM1	2x GA040A	GAX5000	GAX67B
GAZM1	2x GA063SA	GAX5000	GAX67B
GAZM2	2x GA080A	GAX5001	GAX67B
GAZM2	2x GA125A	GAX5001	GAX67B
GAZM2	2x GA160A	GAX5001	GAX67B
GAZM1	2x GA025A + 2x GAX42040A	GAX5000	GAX67B
GAZM1	2x GA040A + 2x GAX42040A	GAX5000	GAX67B
GAZM1	2x GA063SA + 2x GAX42063SA	GAX5000	GAX67B
GAZM3	2x GA080A + 2x GAX42080A	GAX5001	GAX67B
GAZM3	2x GA125A + 2x GAX42125A	GAX5001	GAX67B
GAZM3	2x GA160A + 2x GAX42160A	GAX5001	GAX67B

General characteristics
- Enclosure material: painted sheet steel
- Padlockable handle
- Front door closing with screws and hinges on the right side of the enclosure (GAZM080ET8...GAZM160ET8...)
- Degree of protection: IP65
- Cable entry: smooth surfaces; can be drilled by customer.

Certifications and compliance
Certifications: EAC (pending).
Compliant with standards: IEC/EN/BS 60947-6-1, IEC/EN/BS 60947-1.

IEC/EN IP65 in stainless steel AISI 304 enclosure

GAZS016...GAZS100...

Order code	IEC conventional thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC23B (≤400V)	AC23B (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
THREE-POLE. With red/yellow handle.					
GAZS016	16	16	16	1	2.150
GAZS025	25	25	25	1	2.150
GAZS032	32	32	25	1	2.150
GAZS040	40	40	25	1	2.150
GAZS063SA	63	45	25	1	2.150
GAZS063	63	63	63	1	2.380
GAZS100	100	100	80	1	2.380
THREE-POLE. With black handle.					
GAZS016B	16	16	16	1	2.150
GAZS025B	25	25	25	1	2.150
GAZS032B	32	32	25	1	2.150
GAZS040B	40	40	25	1	2.150
GAZS063SAB	63	45	25	1	2.150
GAZS063B	63	63	63	1	2.380
GAZS100B	100	100	80	1	2.380

Components❶

Enclosure	Switch disconnector	Handle
GAZS1	GA016A	GAX61
GAZS1	GA025A	GAX61
GAZS1	GA032A	GAX61
GAZS1	GA040A	GAX61
GAZS1	GA063SA	GAX61
GAZS1	GA063A	GAX61
GAZS1	GA100A	GAX61
GAZS1	GA016A	GAX61B
GAZS1	GA025A	GAX61B
GAZS1	GA032A	GAX61B
GAZS1	GA040A	GAX61B
GAZS1	GA063SA	GAX61B
GAZS1	GA063A	GAX61B
GAZS1	GA100A	GAX61B

General characteristics
- Enclosure material: AISI 304 stainless steel
- Padlockable handle
- Front door closing with screws
- Degree of protection: IP65
- Cable entry: smooth surfaces; can be drilled by customer
- For four-pole versions add the corresponding GAX42...A fourth pole to the switch disconnector.

Certifications and compliance
Certifications: EAC (pending).
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1.

❶ Extension shaft GAX7... has to be added; for more details contact our Technical support; see contact details on inside front cover.

Enclosures

GAZM1

GAZM2

GAZM3

GAZS1

new

Order code	Enclosure dimensions	Qty per pkg	Wt
	[mm (in)]	n°	[kg]
Painted sheet steel enclosures.			
GAZM1	150x200x120 (5.90x7.87x4.72")	1	1.680
GAZM2	200x300x120 (7.87x11.81x4.72")	1	3.000
GAZM3	300x400x120 (11.8x15.75x4.72")	1	4.900
AISI 304 stainless steel enclosures.			
GAZS1	150x200x120 (5.90x7.87x4.72")	1	1.900

General characteristics
- Painted sheet steel enclosures for GAZM...
- AISI 304 stainless steel enclosures for GAZS1
- Front door closing with screws for GAZM1, GAZM2 and GAZS1
- Front door closing with screws and hinges on the right side of the enclosures for GAZM3
- Drilled cover for handle assembly
- Factory mounted 35mm DIN rail on the base
- Ground terminal included
- Degree of protection: IP65
- Cable entry: smooth surfaces; can be drilled by customer
- For compatible components see pages 12-23 and 24.

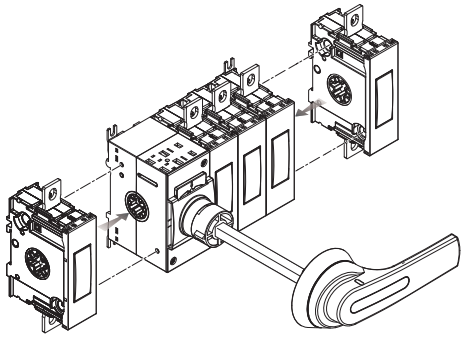
Compliance
Compliant with standards: IEC/EN/BS 60947-1.

SWITCH DISCONNECTORS

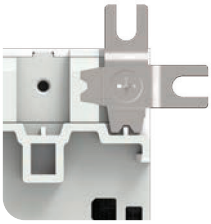
- **COMPACT SIZE**
  The three-pole switch disconnectors are made up of a body with compact dimensions: 162mm/6.38” wide up to 315A, 203mm/7.99” from 320A to 500A and 231mm/9.09” for 630A.

- **UL98 VERSION**
  Switch disconnectors are listed for USA and Canada, certified according to UL98/CSA C22.2 n° 4.

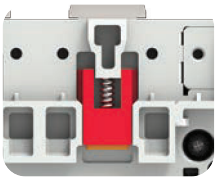
- **FOUR-POLE VERSION AVAILABLE**
  Switch disconnectors are supplied with three-pole configuration.
  To realise the four-pole version, a fourth-pole add-on can be purchased.



- **EASY INSTALLATION ON DIN RAIL**
  The switch disconnectors can be mounted on a DIN rail (for sizes from 160A to 315A) or on a plate by screw fixing.

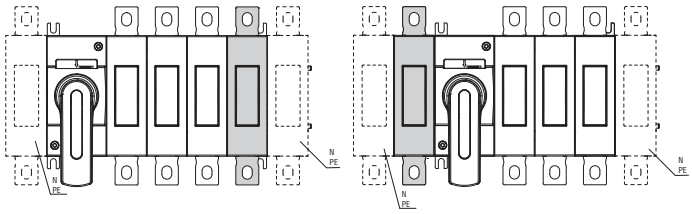


- **FLEXIBLE INSTALLATION ORIENTATION**
  Switch disconnectors can be installed in all directions. The clips for screw fixing can be adjusted both in rotation and position (flexible fixing).



- **ANTI-SLIDE INSERT FOR DIN RAIL**
  For sizes from 160A to 315A there are two rubber pad inserts prevent the sliding of switch disconnectors on the DIN rail.

- **COMPONENT FLEXIBILITY**
  It is possible to mount the fourth pole, neutral and earth/ground terminals on both sides of the switch disconnectors using 2 screws.



CHANGEOVER SWITCHES

- **COMPACT SIZE**
  Changeover switches are made up of a body with compact dimensions:
  - 185mm/7.28” wide for three-pole versions up to 315A, 237mm/9.33” from 320A to 500A and 263mm/10.35” for 630A;
  - 220mm/8.66” wide for the four-pole versions up to 315A, 281mm/11.06” from 320A to 500A and 317mm/12.48” for 630A.

- **EASY INSTALLATION**
  The changeover switches can be mounted on a plate by screws.

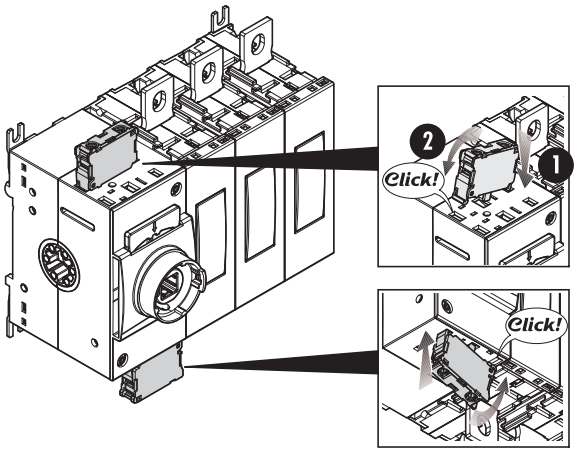
- **UL1008 VERSION**
  The changeover switches are listed for USA and Canada, certified according to UL1008/CSA C22.2 n° 178.

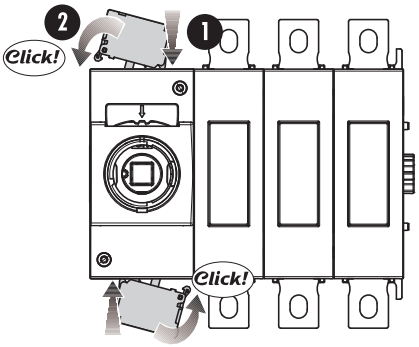
- **THREE AND FOUR-POLE VERSION**
  Changeover switches are already supplied assembled in three-pole and four-pole configuration.

WIDE RANGE OF ACCESSORIES
A wide choice of auxiliary contacts, terminal covers, phase barriers, terminal clamps, bridging bars, shafts and handles are available to satisfy every installation need.

HIGH IEC ELECTRICAL CAPABILITY
The rated currents in AC23A up to 630A-415V and 500A-690V are the highest of the category.

ADD-ON AUXILIARY CONTACTS
The same add-on block is suitable for all the switch disconnectors and changeover switches. Contacts are mounted on main switching actuator (max 8 contacts for switch disconnectors; max 4 contacts for changeover switches).



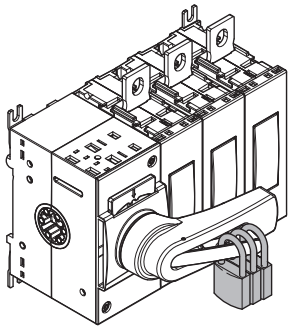


VISIBLE CONTACTS: MAXIMUM SECURITY!
Thanks to the window on the individual power poles the open or closed switch status is clearly visible at a distance.

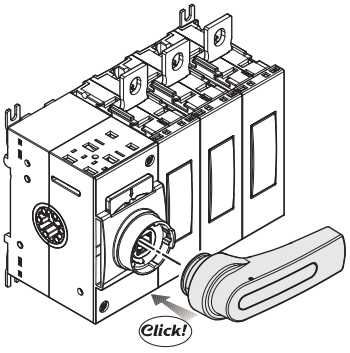
UL508A DEFEATABLE HANDLE
In compliance with UL508A standards, which require internal panel inspection by authorized personnel with power applied, pistol handles are available with defeatable feature of the door coupling when the switch disconnector or the changeover switch is closed, i.e. in ON position.

IP66, IP69K AND NEMA 4X HANDLES
A wide range of screw fixing pistol grip handles are available with the maximum degree of protection on the market.

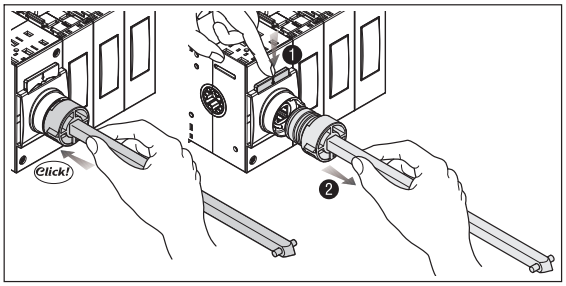
PADLOCKABLE HANDLES
All direct and door coupling handles are equipped with integrated padlock mechanism.



HANDLES
Switch disconnectors and changeover switches are standard supplied without any handles. By purchasing the direct operating handle separately it is possible to create a direct operating version. The handles can be mounted and removed very easily thanks to the snap-on assembly.
By purchasing a shaft extension and a door coupling handle separately it is possible to create the door coupling version.



SNAP-ON SHAFT MOUNTING
Shafts can be mounted and removed very easily by snapping on the front of the switch. This feature allows fast installation and easy accessibility to the panel in case of maintenance.



Summary table of combinations

IEC/EN/BS

Type	IEC conventional free air thermal current Ith	IEC rated operational current Ie		IEC reactive power for control of capacitors 400V	Fourth pole	Neutral terminal	Earth/ground terminal	Direct operating handle	
	AC21A (≤690V)	AC23A (≤400V)	AC23A (≤500V)					Black	Red/Yellow
Order code	[A]	[A]	[A]	[kvar]	Order code	Order code	Order code	Order code	Order code
IEC/EN three-pole switch disconnectors.									
GL0160C1	160	160	160	80	**GLX420315**	**GLX300**	**GLX301**	**GLX61DB**	**GLX61D**
GL0200C1	200	200	200	100					
GL0250C1	250	250	250	115					
GL0315C1	315	315	250	145					
GL0320C1	320	320	320	145	**GLX420320**	**GLX302**	**GLX303**	**GLX62DB**	**GLX62D**
GL0400C1	400	400	400	180	**GLX420400**				
GL0500C1	500	500	500	200	**GLX420500**				
GL0630C1	630	630	500	250	**GLX420630**				
IEC/EN three-pole changeover switches.									
GLC0160C1	160	160	160	–	–	–	–	**GLX61DB**	–
GLC0200C1	200	200	200						
GLC0250C1	250	250	250						
GLC0315C1	315	315	250						
GLC0320C1	320	320	320					**GLX62DB**	
GLC0400C1	400	400	400						
GLC0500C1	500	500	500						
GLC0630C1	630	630	500						
IEC/EN four-pole changeover switches.									
GLC0160T4C1	160	160	160	–	–	–	–	**GLX61DB**	–
GLC0200T4C1	200	200	200						
GLC0250T4C1	250	250	250						
GLC0315T4C1	315	315	250						
GLC0320T4C1	320	320	320					**GLX62DB**	
GLC0400T4C1	400	400	400						
GLC0500T4C1	500	500	500						
GLC0630T4C1	630	630	500						

cULus

Type	General purpose current	Max 3-phase horsepower rating	Fourth pole	Neutral terminal	Earth/ground terminal	Direct operating handle	
						Black	Red/Yellow
Order code	[A]	[HP/Voltage]	Order code	Order code	Order code	Order code	Order code
UL98 three-pole switch disconnectors.							
GL0100C1UL	100	30/240 - 75/480 - 100/600	**GLX420100UL**	**GLX300**	**GLX301**	**GLX61DB**	**GLX61D**
GL0200C1UL	200	75/240 - 150/480 - 200/600	**GLX420200UL**				
GL0400C1UL	400	125/240 - 250/480 - 350/600	**GLX420400UL**	**GLX302**	**GLX303**	**GLX62DB**	**GLX62D**
UL1008 three-pole changeover switches.							
GLC0100C1UL	100	30/240 - 75/480 - 100/600	–	–	–	**GLX61DB**	–
GLC0200C1UL	200	75/240 - 150/480 - 200/600					
GLC0400C1UL	400	125/240 - 250/480 - 350/600				**GLX62DB**	
UL1008 four-pole changeover switches.							
GL0C100T4C1UL	100	30/240 - 75/480 - 100/600	–	–	–	**GLX61DB**	–
GL0C200T4C1UL	200	75/240 - 150/480 - 200/600					
GLC0400T4C1UL	400	125/240 - 250/480 - 350/600				**GLX62DB**	

❷ 1-piece set. 1 terminal connection for single cable:
– Maximum conductor cross section: 120mm²/250kcmil;
– Minimum conductor cross section: 16mm²/6AWG.

❸ 3-piece set. 3 terminals connection for single cable:
– Maximum conductor cross section: 120mm²/250kcmil;
– Minimum conductor cross section: 16mm²/6AWG.

❹ 1-piece set. 1 terminal connection for single cable:
– Maximum conductor cross section: 304mm²/600kcmil;
– Minimum conductor cross section: 33.6mm²/2AWG.

Door coupling handle		Shaft extensions for door coupling handles				Shaft alignment ring	Auxiliary contacts	Terminal covers	Phase barriers	Terminal clamps	Bridging bars	Captive nuts
Black	Red/Yellow		Panel depth		Shaft section							
Order code	Order code	Order code	min [mm/in]	max [mm/in]	□ [mm/in]	Order code	Order code	Order code	Order code	Order code	Order code	Order code
GLX61B	**GLX61**	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	124/ 4.88”	194/7.64” 244/9.61” 344/13.54” 444/17.48” 544/21.42”	10/0.4”	**GLX00**	**GLX1001** (1NC) **GLX1010EA** (1EB)	**GLX800** (3 pcs) **GLX801** (4 pcs)	**GLX900** (6 pcs) **GLX901** (8 pcs)	**GLX500❶** **GLX501❷**	–	**GLX550** (8 pcs)
GLX62B	**GLX62**	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	157/ 6.18”	227/8.94” 277/10.90” 377/14.84” 477/18.78” 577/22.72”				**GLX802** (3 pcs) **GLX803** (4 pcs)	**GLX902** (6 pcs) **GLX903** (8 pcs) Built-in	**GLX502❸** **GLX503❹** **GLX504❺** **GLX505❻**		**GLX551** (8 pcs)
GLX61CB	–	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	220/ 8.66”	290/11.42” 340/13.38” 440/17.32” 540/21.26” 640/25.20”	10/0.4”	**GLX00**	**GLX1001** (1NC) **GLX1010EA** (1EB)	**GLX800** (3 pcs) **GLX801** (4 pcs)	**GLX900** (6 pcs) **GLX901** (8 pcs)	**GLX500❶** **GLX501❷**	**GLX201** (3 pcs) **GLX202** (4 pcs)	**GLX550** (8 pcs)
GLX62CB		**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	267/ 10.51”	337/13.27” 387/15.24” 487/19.17” 587/23.11” 687/27.05”				**GLX802** (3 pcs) **GLX803** (4 pcs)	**GLX902** (6 pcs) **GLX903** (8 pcs) Built-in	**GLX502❸** **GLX503❹** **GLX504❺** **GLX505❻**	**GLX206** (3 pcs) **GLX207** (4 pcs)	**GLX551** (8 pcs)
GLX61CB	–	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	220/ 8.66”	290/11.42” 340/13.38” 440/17.32” 540/21.26” 640/25.20”	10/0.4”	**GLX00**	**GLX1001** (1NC) **GLX1010EA** (1EB)	**GLX800** (3 pcs) **GLX801** (4 pcs)	**GLX900** (6 pcs) **GLX901** (8 pcs)	**GLX500❶** **GLX501❷**	**GLX201** (3 pcs) **GLX202** (4 pcs)	**GLX550** (8 pcs)
GLX62CB		**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	267/ 10.51”	337/13.27” 387/15.24” 487/19.17” 587/23.11” 687/27.05”				**GLX802** (3 pcs) **GLX803** (4 pcs)	**GLX902** (6 pcs) **GLX903** (8 pcs) Built-in	**GLX502❸** **GLX503❹** **GLX504❺** **GLX505❻**	**GLX206** (3 pcs) **GLX207** (4 pcs)	**GLX551** (8 pcs)

Door coupling handle		Shaft extensions for door coupling handles				Shaft alignment ring	Auxiliary contacts	Terminal covers	Phase barriers	Terminal clamps	Bridging bars	Captive nuts
Black	Red/Yellow		Panel depth		Shaft section							
Order code	Order code	Order code	min [mm/in]	max [mm/in]	□ [mm/in]	Order code	Order code	Order code	Order code	Order code	Order code	Order code
GLX61B	**GLX61**	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	124/ 4.88”	194/7.64” 244/9.61” 344/13.54” 444/17.48” 544/21.42”	10/0.4”	**GLX00**	**GLX1001** (1NC) **GLX1010EA** (1EB)	**GLX800** (3 pcs) **GLX801** (4 pcs)	Built-in	**GLX500❶** **GLX501❷**	–	**GLX550** (8 pcs)
GLX62B	**GLX62**	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	157/ 6.18”	227/8.94” 277/10.90” 377/14.84” 477/18.78” 577/22.72”				**GLX802** (3 pcs) **GLX803** (4 pcs)	Built-in	**GLX502❸** **GLX503❹** **GLX504❺** **GLX505❻**		**GLX551** (8 pcs)
GLX61CB	–	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	220/ 8.66”	290/11.42” 340/13.38” 440/17.32” 540/21.26” 640/25.20”	10/0.4”	**GLX00**	**GLX1001** (1NC) **GLX1010EA** (1EB)	**GLX800** (3 pcs) **GLX801** (4 pcs)	Built-in	**GLX500❶** **GLX501❷**	**GLX201** (3 pcs) **GLX202** (4 pcs)	**GLX550** (8 pcs)
GLX62CB		**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	267/ 10.51”	337/13.27” 387/15.24” 487/19.17” 587/23.11” 687/27.05”				**GLX802** (3 pcs) **GLX803** (4 pcs)	Built-in	**GLX502❸** **GLX503❹** **GLX504❺** **GLX505❻**	**GLX206** (3 pcs) **GLX207** (4 pcs)	**GLX551** (8 pcs)
GLX61CB	–	**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	220/ 8.66”	290/11.42” 340/13.38” 440/17.32” 540/21.26” 640/25.20”	10/0.4”	**GLX00**	**GLX1001** (1NC) **GLX1010EA** (1EB)	**GLX800** (3 pcs) **GLX801** (4 pcs)	Built-in	**GLX500❶** **GLX501❷**	**GLX201** (3 pcs) **GLX202** (4 pcs)	**GLX550** (8 pcs)
GLX62CB		**GLX7150S10** **GLX7200S10** **GLX7300S10** **GLX7400S10** **GLX7500S10**	267/ 10.51”	337/13.27” 387/15.24” 487/19.17” 587/23.11” 687/27.05”				**GLX802** (3 pcs) **GLX803** (4 pcs)	Built-in	**GLX502❸** **GLX503❹** **GLX504❺** **GLX505❻**	**GLX206** (3 pcs) **GLX207** (4 pcs)	**GLX551** (8 pcs)

❺ 3-piece set. 3 terminals connection for single cable:
– Maximum conductor cross section: 304mm²/600kcmil;
– Minimum conductor cross section: 33.6mm²/2AWG.

❻ 1-piece set. 1 terminal connection for double cables:
– Maximum conductor cross section: 2x152mm²/2x300kcmil;
– Minimum conductor cross section: 2x21.2mm²/2x4AWG.

❼ 3-piece set. 3 terminals connection for double cables:
– Maximum conductor cross section: 2x152mm²/2x300kcmil;
– Minimum conductor cross section: 2x21.2mm²/2x4AWG.

IEC/EN three-pole switch disconnectors

GL0160C1...GL0315C1

GL0320C1...GL0500C1

Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC23A (≤400V)	IEC rated operational current Ie AC23A (≤690V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
Supplied without handle. Complete the switch disconnector by selecting shaft extension and handle for door coupling version or the handle for direct operating version (see page 12-33).					
GL0160C1	160	160	160	1	1.740
GL0200C1	200	200	200	1	1.740
GL0250C1	250	250	250	1	1.740
GL0315C1	315	315	250	1	1.740
GL0320C1	320	320	320	1	3.460
new **GL0400C1**	400	400	400	1	3.460
GL0500C1	500	500	500	1	3.460
GL0630C1	630	630	500	1	3.780

UL98 three-pole switch disconnectors

GL...C1UL

Order code	General purpose current	Max. 3-phase horsepower rating	Qty per pkg	Wt
	[A]	[HP/V]	n°	[kg]
Supplied without handle. Complete the switch disconnector by selecting shaft extension and handle for door coupling version or the handle for direct operating version (see page 12-33).				
new **GL0100C1UL**	100	30/240 75/480 100/600	1	1.900
GL0200C1UL	200	75/240 150/480 200/600	1	1.900
new **GL0400C1UL**	400	125/240 250/480 350/600	1	3.780

IEC/EN fourth pole add-on

GLX420315

GLX420500

GLX420630

Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC23A (≤400V)	IEC rated operational current Ie AC23A (≤690V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
Simultaneous closing operation as switch disconnector poles. For GL0160C1...GL0315C1 versions.					
GLX420315	315	315	250	1	0.400
For GL0320C1...GL0630C1 versions.					
GLX420320	320	320	320	1	0.900
new **GLX420400**	400	400	400	1	0.900
GLX420500	500	500	500	1	0.900
GLX420630	630	630	500	1	0.900

UL98 fourth pole add-on

GLX420200UL

GLX420400UL

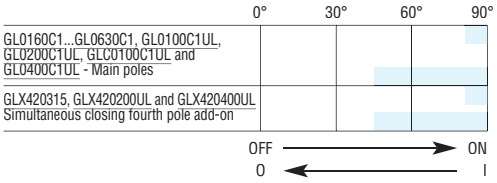
Order code	General purpose current	Max. 3-phase horsepower rating	Qty per pkg	Wt
	[A]	[HP/V]	n°	[kg]
Simultaneous closing operation as switch disconnector poles. For GL0100C1UL version.				
new **GLX420100UL**	100	30/240 75/480 100/600	1	0.410
For GL0200C1UL version.				
GLX420200UL	200	75/240 150/480 200/600	1	0.410
For GL0400C1UL version switch disconnector.				
new **GLX420400UL**	400	125/240 250/480 350/600	1	0.900

General characteristics
- 160 to 630A AC23 versions
- 100A, 200A and 400A general purpose according to UL98
- Compact dimensions and add-on fourth-pole
- Screw or 35mm DIN rail fixing to 315A, only on a plate from 320A to 630A
- Possibility to adjust the position of the clips for screw fixing on plate
- Visible contacts
- Maximum number of power poles: 4.

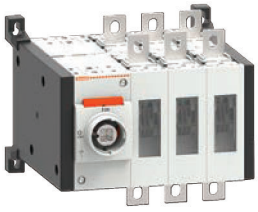
Operational characteristics
- Rated insulation voltage Ui: 1,000V
- Rated impulse withstand Uimp: 12kV
- Mechanical life:
  - 20,000 cycles from 160A to 315A
  - 10,000 cycles from 320A to 630A.

Certifications and compliance
Certifications obtained: cULus according to UL98 / CSA C22.2 n°4 for GL...UL and GLX42...UL types.
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1.

Strokes of GL poles
(main poles and add-on pole)



IEC/EN three-pole changeover switches



GLC0160C1...GLC0315C1

	Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC33B (≤400V)	IEC rated operational current Ie AC33B (≤690V)	Qty per pkg	Wt
		[A]	[A]	[A]	n°	[kg]
	Supplied without handle❶.					
	GLC0160C1	160	160	160	1	3.550
	GLC0200C1	200	200	200	1	3.550
	GLC0250C1	250	250	250	1	3.550
	GLC0315C1	315	315	250	1	3.550
new	GLC0320C1	320	320	320	1	7.060
new	GLC0400C1	400	400	400	1	7.060
new	GLC0500C1	500	500	500	1	7.060
new	GLC0630C1	630	630	500	1	7.720

IEC/EN four-pole changeover switches

GLC0160T4C1...GLC0315T4C1

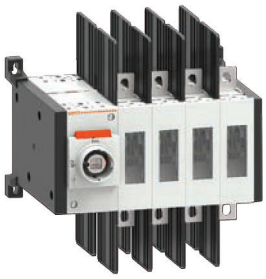
	Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC33B (≤400V)	IEC rated operational current Ie AC33B (≤690V)	Qty per pkg	Wt
		[A]	[A]	[A]	n°	[kg]
	Supplied without handle❶.					
	GLC0160T4C1	160	160	160	1	4.330
	GLC0200T4C1	200	200	200	1	4.330
	GLC0250T4C1	250	250	250	1	4.330
	GLC0315T4C1	315	315	250	1	4.330
new	GLC0320T4C1	320	320	320	1	8.810
new	GLC0400T4C1	400	400	400	1	8.810
new	GLC0500T4C1	500	500	500	1	8.810
new	GLC0630T4C1	630	630	500	1	9.460

UL1008 three-pole changeover switches

GLC0200C1UL

	Order code	General purpose current	Max. 3-phase horsepower rating	Qty per pkg	Wt
		[A]	[HP/V]	n°	[kg]
	Supplied without handle❶.				
new	GLC0100C1UL	100	30/240 75/480 100/600	1	3.800
	GLC0200C1UL	200	75/240 150/480 200/600	1	3.800
new	GLC0400C1UL	400	125/240 250/480 350/600	1	7.560

UL1008 four-pole changeover switches



GLC0200T4C1UL

	Order code	General purpose current	Max. 3-phase horsepower rating	Qty per pkg	Wt
		[A]	[HP/V]	n°	[kg]
	Supplied without handle❶.				
new	GLC0100T4C1UL	100	30/240 75/480 100/600	1	4.590
	GLC0200T4C1UL	200	75/240 150/480 200/600	1	4.590
new	GLC0400T4C1UL	400	125/240 250/480 350/600	1	7.680

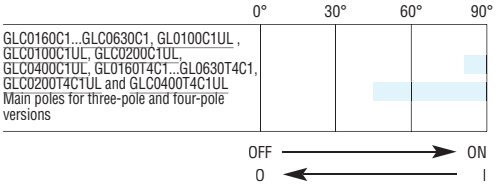
❶ Complete the changeover switch by selecting shaft extension and handle for door coupling version or the handle for direct operating version (see page 12-33).

General characteristics
- 160 to 630A AC33 versions
- 100A, 200A and 400A general purpose according to UL1008
- Screw fixing on plate
- Visible contacts.

Operational characteristics
- Rated insulation voltage Ui: 1,000V
- Rated impulse withstand Uimp: 12kV
- Mechanical life:
  - 20,000 cycles from 160A to 315A
  - 10,000 cycles from 320A to 630A.

Certifications and compliance
Certifications obtained: cULus according to UL1008 (pending for GLC0400...UL types).
Compliant with standards: IEC/EN 60947-6-1, IEC/EN 60947- 3.

Strokes of GLC poles



12

Add-on blocks

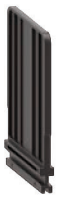
GLX1010EA

GLX1001

GLX300

GLX301

GLX8...


GLX9...

GLX5 00 - GLX5 01

GLX502 - GLX503

GLX504 - GLX505

GLX55...

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
Auxiliary contacts.			
GLX1001	1NC with screw terminals	1	0.100
GLX1010EA	1EB with screw terminals	1	0.100
Neutral terminal.			
GLX300	For GL0100...GL0315	1	0.340
new **GLX302**	For GL0320...GL0630	1	0.680
Earth/ground terminal.			
GLX301	For GL0100...GL0315	1	0.340
new **GLX303**	For GL0320...GL0630	1	0.680
One-pole terminal covers.			
GLX800	3-piece set. 3 terminals protections. For GL0100...GL0315 and GLC0100...GLC0315	1	0.060
GLX801	4-piece set. 4 terminals protections. For GL0100...GL0315 and GLC0100...GLC0315	1	0.080
GLX802	3-piece set. 3 terminals protections. For GL0320...GL0630 and GLC0320...GLC0630	1	0.070
new **GLX803**	4-piece set. 4 terminals protections. For GL0320...GL0630 and GLC0320...GLC0630	1	0.095
One-pole phase barrier (needed for voltages > 500V).			
GLX900	6-piece set. 3 terminals protections. For GL0160...GL0315 and GLC0100...GLC0315	1	0.070
GLX901	8-piece set. 4 terminals protections. For GL0160...GL0315 and GLC0100...GLC0315	1	0.090
new **GLX902**	6-piece set. 3 terminals protections. For GL0320...GL0630 and GLC0320...GLC0630	1	0.011
GLX903	8-piece set. 4 terminals protections. For GL0320...GL0500 and GLC0320...GLC0500	1	0.011
Terminal clamp sets for rigid and flexible cables.			
GLX500	1-piece set. 1 terminal connection for single cable. For GL0100...GL0315 and GLC0100...GLC0315	1	0.050
GLX501	3-piece set. 3 terminals connection for single cable. For GL0100...GL0315 and GLC0100...GLC0315	1	0.140
GLX502	1-piece set. 1 terminal connection for single cable. For GL0320...GL0630 and GLC0320...GLC0630	1	0.100
GLX503	3-piece set. 3 terminals connection for single cable. For GL0320...GL0630 and GLC0320...GLC0630	1	0.280
new **GLX504**	1-piece set. 1 terminal connection for double cables. For GL0320...GL0630 and GLC0320...GLC0630	1	0.110
GLX505	3-piece set. 3 terminals connection for double cables. For GL0320...GL0630 and GLC0320...GLC0630	1	0.310
Captive nuts.			
GLX550	8-piece set. For GL0100...GL0315 and GLC0100...GLC0315	1	0.010
new **GLX551**	8-piece set. For GL0320...GL0630 and GLC0320...GLC0630	1	0.010

Operational characteristics of auxiliary contacts GLX10...
- Conventional free air thermal current Ith: 10A
- Rated insulation voltage: 690V
- Conductivity: 5V, 1mA
- UL/CSA and IEC/EN 60947-5-1 designation: A600 Q600
- Tightening torque: 0.8Nm/7.1lb.in
- Maximum 8 contacts for GL0100...GL0630 switch disconnectors
- Maximum 4 contacts for GLC0100...GLC0630 changeover switches
- snap-on assembly without the use of tools.

Operational characteristics of neutral and earth/ground terminals GLX3...
- Add-on only on GL0100...GL0630 switch disconnectors
- Tightening torque for GLX300 and GLX301: 15...22Nm/132.7...194.7lb.in
- Tightening torque for GLX302 and GLX303: 30...37Nm/265...327lb.in.

Operational characteristics for terminal covers and phase barriers GLX8..., GLX9...
- Snap-on mounting.

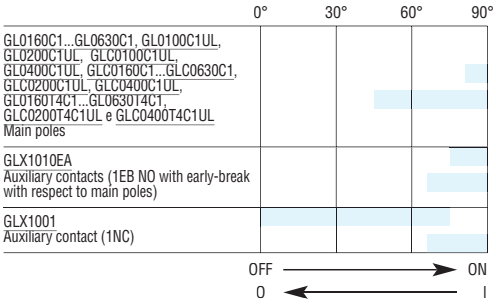
Operational characteristics for terminal clamps
GLX500-GLX501
- Maximum conductor cross section: 120mm²/250kcmil
- Minimum conductor cross section: 16mm²/6AWG
- Tightening torque: 35Nm/309.7lb.in.

GLX502-GLX503
- Maximum conductor cross section: 304mm²/600kcmil
- Minimum conductor cross section: 33.6mm²/2AWG
- Tightening torque: 42.4Nm/375lb.in

GLX504-GLX505
- Maximum conductor cross section: 2x152mm²/2x300kcmil
- Minimum conductor cross section: 2x21.2mm²/2x4AWG
- Tightening torque: 22.6Nm/200lb.in

Certifications and compliance
Certifications obtained: cULus
Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-3.

Strokes of GL poles
(main poles with add-on pole)



Parallel connections

GLX2...

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
One-pole bridging bars for changeover parallel connection GLC0100...GLC0630.			
GLX201	3-piece set. Connection 3 poles. For GLC0100...GLC0315	1	0.180
GLX202	4-piece set. Connection 4 poles. For GLC0100...GLC0315	1	0.200
GLX206	3-piece set. Connection 3 poles. For GLC0320...GLC0630	1	0.190
GLX207	4-piece set. Connection 3 poles. For GLC0320...GLC0630	1	0.255

Handles and shafts

GLX61DB

GLX61D

GLX62DB

GLX61

GLX61B

GLX61CB

GLX00

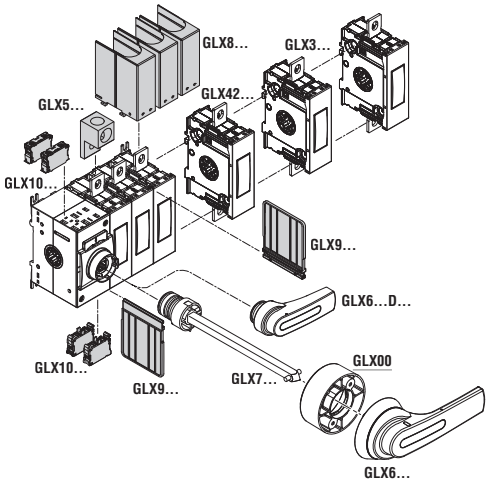
GLX7...

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
Direct operating handles.			
GLX61DB	For GL0100...GL0315 and GLC0100...GLC0315. Black	1	0.075
GLX61D	For GL0100...GL0315. Red/yellow	1	0.075
GLX62DB	For GL0320...GL0630 and GLC0320...GLC0630. Black	1	0.140
GLX62D	For GL0320...GL0630. Red/yellow	1	0.170
Door coupling handles.			
GLX61	For GL0100...GL0315. Screw fixing. 125mm/4.92" lever length pistol handle - defeatable (req. UL508A). Red/yellow. ☐10mm/0.39"	1	0.220
GLX61B	For GL0100...GL0315. Screw fixing. 125mm/4.92" lever length pistol handle - defeatable (req. UL508A). Black. ☐10mm/0.39"	1	0.220
GLX61CB	For GLC0100...GLC0315. Screw fixing. 125mm/4.92" lever length pistol handle - defeatable (req. UL508A). Black. ☐10mm/0.39"	1	0.215
GLX62	For GL0320...GL0630. Screw fixing. 175mm/6.89" lever length pistol handle - defeatable (req. UL508A). Red/yellow. ☐10mm/0.39"	1	0.240
GLX62B	For GL0320...GL0630. Screw fixing. 175mm/6.89" lever length pistol handle - defeatable (req. UL508A). Black. ☐10mm/0.39"	1	0.240
GLX62CB	For GLC0320...GLC0630. Screw fixing. 175mm/6.89" lever length pistol handle - defeatable (req. UL508A). Black. ☐10mm/0.39"	1	0.240
Accessories for door coupling handles.			
GLX00	Shaft alignment ring	1	0.040
Shaft extensions for door coupling handles GLX61, GLX61B, GLX61CB, GLX62, GLX62B, GLX62CB.			
GLX7150S10	150mm/5.90", ☐10mm/0.39"	1	0.150
GLX7200S10	200mm/7.87", ☐10mm/0.39"	1	0.190
GLX7300S10	300mm/11.81", ☐10mm/0.39"	1	0.270
GLX7400S10	400mm/15.75", ☐10mm/0.39"	1	0.350
GLX7500S10	500mm/19.68", ☐10mm/0.39"	1	0.430

Operational characteristics for direct operating handles
- Snap-on mounting on switch disconnectors and changeover switches
- 1 to 3 padlocks in the Ø4...6mm/0.16...0.24".

Operational characteristics for door coupling handles
- Handle fixing centres: 28x40mm/1.10x1.57"
- 1 to 3 padlocks in the Ø4...8mm/0.16...0.31"
- Tightening torque: 1.5Nm/13.3lb.in
- Degree of protection:
  - Per IEC/EN: IP66 and IP69K
  - Per UL: Type 1, 2, 3R, 12, 12K, 4, 4X external use.

Certifications and compliance
Certifications obtained: cULus.
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3.



12

IEC/EN IP65 in metal enclosure

GLZM0160...GLZM315...

Order code	IEC conventional thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC23A (≤400V)	Qty per pkg	Wt
	[A]	[A]	n°	[kg]
THREE-POLE. With red/yellow handle.				
GLZM0160	160	160	1	9.750
GLZM0200	200	200	1	9.750
GLZM0250	250	250	1	9.750
GLZM0315	315	315	1	9.750
THREE-POLE. With black handle.				
GLZM0160B	160	160	1	9.750
GLZM0200B	200	200	1	9.750
GLZM0250B	250	250	1	9.750
GLZM0315B	315	315	1	9.750
FOUR-POLE. With red/yellow handle.				
GLZM0160T4	160	160	1	9.950
GLZM0200T4	200	200	1	9.950
GLZM0250T4	250	250	1	9.950
GLZM0315T4	315	315	1	9.950
FOUR-POLE. With black handle.				
GLZM0160T4B	160	160	1	9.950
GLZM0200T4B	200	200	1	9.950
GLZM0250T4B	250	250	1	9.950
GLZM0315T4B	315	315	1	9.950

Components

Enclosure	Switch disconnector	Handle
GLZM1	GL0160C1	GLX61
GLZM1	GL0200C1	GLX61
GLZM1	GL0250C1	GLX61
GLZM1	GL0315C1	GLX61
GLZM1	GL0160C1	GLX61B
GLZM1	GL0200C1	GLX61B
GLZM1	GL0250C1	GLX61B
GLZM1	GL0315C1	GLX61B

Enclosure	Switch disconnector	4th pole	Handle
GLZM1	GL0160C1	GLX420315	GLX61
GLZM1	GL0200C1	GLX420315	GLX61
GLZM1	GL0250C1	GLX420315	GLX61
GLZM1	GL0315C1	GLX420315	GLX61
GLZM1	GL0160C1	GLX420315	GLX61B
GLZM1	GL0200C1	GLX420315	GLX61B
GLZM1	GL0250C1	GLX420315	GLX61B
GLZM1	GL0315C1	GLX420315	GLX61B

General characteristics
- Enclosure material: painted sheet steel
- Padlockable handle
- Front door closing with screws and hinges on the right side of the enclosure
- Degree of protection: IP65
- Cable entry: smooth surfaces; can be drilled by customer.

Certifications and compliance
Certifications: EAC (pending).
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1.

IEC/EN IP65 in metal enclosure

GLZM0160E...GLZM0315E...

Order code	IEC conventional thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC23B (≤400V)	IEC rated operational current Ie AC23B (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
3-pole line changeover switches I-0-II. Black handle					
GLZM0160ET6	160	160	160	1	11.780
GLZM0200ET6	200	200	200	1	11.780
GLZM0250ET6	250	250	250	1	11.780
GLZM0315ET6	315	315	250	1	11.780
4-pole line changeover switches I-0-II. Black handle.					
GLZM0160ET8	160	160	160	1	12.180
GLZM0200ET8	200	200	200	1	12.180
GLZM0250ET8	250	250	250	1	12.180
GLZM0315ET8	315	315	250	1	12.180

Components

Enclosure switch	Changeover	Handle
GLZM1	GLC0160C1	GLX61CB
GLZM1	GLC0200C1	GLX61CB
GLZM1	GLC0250C1	GLX61CB
GLZM1	GLC0315C1	GLX61CB
Enclosure	Changeover switch	Handle
GLZM1	GLC0160T4C1	GLX61CB
GLZM1	GLC0200T4C1	GLX61CB
GLZM1	GLC0250T4C1	GLX61CB
GLZM1	GLC0315T4C1	GLX61CB

General characteristics
- Enclosure material: painted sheet steel
- Padlockable handle
- Front door closing with screws and hinges on the right side of the enclosure
- Degree of protection: IP65
- Cable entry: smooth surfaces; can be drilled by customer.

Certifications and compliance
Certifications: EAC (pending).
Compliant with standards: IEC/EN/BS 60947-6-1, IEC/EN/BS 60947-1.

Enclosures

GLZM1

new

Order code	Enclosure dimensions	Qty per pkg	Wt
	[mm (in)]	n°	[kg]
Painted sheet steel enclosures.			
GLZM1	300x400x250 (11.8x15.75x9.84")	1	5.700

General characteristics
- Painted sheet steel enclosures
- Front door closing with screws and hinges on the right side of the enclosures
- Drilled cover for handle assembly
- Ground terminal included
- Degree of protection: IP65
- Cable entry: smooth surfaces; can be drilled by customer.

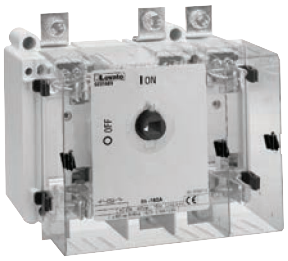
Compliance
Compliant with standards: IEC/EN/BS 60947-1.

Three-pole switch disconnectors

GE...

Order code	IEC conventional free air thermal current Ith AC21A (≤500V)	IEC rated operational current Ie AC23A (≤400V)	AC23A (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
Separately purchase the handle and shaft extension ❶.					
GE0160P❹	160	160	125	1	0.850
GE0160	160	160	125	1	0.850
GE0200	200	160	125	1	0.900
GE0250	250❺	160	125	1	0.900
GE0251	250	250	200	1	1.700
GE0315	315	315	250	1	1.700
GE0400	400	400	315	1	1.900
GE0500	500	500	400	1	4.200
GE0630	630	630	500	1	4.200
GE0800	800	800	500	1	4.200
GE1000	1000	1000	800	1	7.000
GE1250	1250	1000	800	1	7.600
GE1600	1600	1000	900	1	20.800

Three-pole switch disconnectors with fuse holder



GE...F - GE...N - GE...B

With NFC fuse holder ❸❹. Separately purchase the handle and shaft extension ❶❷.					
GE0050F❹	50	50	50	1	1.250
GE0125F❹	125	125	125	1	1.700
With NH fuse holder ❸. Separately purchase the handle and shaft extension ❶❷.					
GE0160N	160	160	125	1	1.700
GE0161N	160	160	160	1	3.100
GE0250N	250	250	250	1	6.600
GE0400N	400	400	400	1	6.600
GE0630N	630	630	630	1	13.000
GE0800N	800	630	630	1	13.000
With BS fuse holder ❸. Separately purchase the handle and shaft extension ❶❷.					
GE0160B	160	160	160	1	3.500
GE0200B	200	200	200	1	3.500
GE0250B	250	250	250	1	6.600
GE0315B	315	315	315	1	6.600
GE0400B	400	400	400	1	6.600
GE0630B	630	630	630	1	13.000
GE0800B	800	630	630	1	13.000

❶ Refer to the side table for the selection of the handle. A shaft insert is standard-supplied with all direct operating handles so no other shaft extension is required in this case.
❷ See table on page 12-42 for the types of fuses.
❸ The switch disconnector is standard-supplied with fuse protection shield.
❹ Standard supplied with IEC IP20 terminal protection.
❺ 250A Ith; 200A AC21A ≤500V.

Selection of handles
Refer to the left-hand switch disconnector table for the selection of the handle.
For other accessories see page 12-42.

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX65D	GAX66NB	GAX66N
GEX66ND	GEX66NB	GEX66N
GEX67ND	GEX67NB	GEX67N
GEX68ND	GEX68NB	GEX68N

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX61D	GEX61NB	GEX61N

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX61D	GEX61NB	GEX61N
GEX62D	GEX66NB	GEX66N
GEX63D	GEX67NB	GEX67N
GEX64D	GEX68NB	GEX68N

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX62D	GEX66NB	GEX66N
GEX63D	GEX67NB	GEX67N
GEX64D	GEX68NB	GEX68N

General characteristics
- 50A to 1600A
- Available versions: direct operating and door coupling
- Screw fixing: 35mm DIN rail mount adapter kit for GE0160P on page 12-42
- Padlockable in 0 position with no extra accessory.

Operational characteristics
- IEC rated insulation voltage Ui:
  - 1000V for GE0160...GE1600, GE0160P, GE0250N/B...GE0800N/B
  - 800V for GE0050F, GE0125F, GE0160N, GE0161N, GE0160B and GE0200B
- Mechanical life:
  - 30,000 cycles for GE0160...GE0250, GE0160P
  - 20,000 cycles for GE0251...GE0400
  - 10,000 cycles for GE0500...GE1600, GE0050 , GE0125F, GE0160N/B...GE0400N/B
  - 5,000 cycles for GE0630N/B and GE0800N/B.

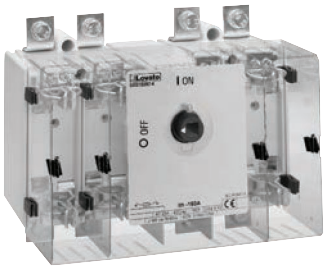
Certifications and compliance
Certifications obtained: EAC.
Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-3.

Four-pole switch disconnectors

GE...T4...

Order code	IEC conventional free air thermal current Ith AC21A (≤500V)	IEC rated operational current Ie AC23A (≤400V)	AC23A (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
Separately purchase the handle and shaft extension ❶.					
GE0160T4P❹	160	160	125	1	1.000
GE0160T4	160	160	125	1	1.000
GE0200T4	200	160	125	1	1.000
GE0250T4	250❺	160	125	1	1.000
GE0251T4	250	250	200	1	1.900
GE0315T4	315	315	250	1	1.900
GE0400T4	400	400	315	1	2.100
GE0500T4	500	500	400	1	4.500
GE0630T4	630	630	500	1	4.500
GE0800T4	800	800	500	1	4.500
GE1000T4	1000	1000	800	1	7.600
GE1250T4	1250	1000	800	1	7.600
GE1600T4	1600	1000	900	1	20.800

Four-pole switch disconnectors with fuse holder



GE...FT4 - GE...NT4 - GE...BT4

With NFC fuse holder ❸❹. Separately purchase the handle and shaft extension ❶❷.					
GE0050FT4❹	50	50	50	1	1.550
GE0125FT4❹	125	125	125	1	2.200
With NH fuse holder ❸. Separately purchase the handle and shaft extension ❶❷.					
GE0160NT4	160	160	125	1	2.200
GE0161NT4	160	160	160	1	8.000
GE0250NT4	250	250	250	1	8.000
GE0400NT4	400	400	400	1	8.000
GE0630NT4	630	630	630	1	15.000
GE0800NT4	800	630	630	1	15.000
With BS fuse holder ❸. Separately purchase the handle and shaft extension ❶❷.					
GE0160BT4	160	160	160	1	4.000
GE0200BT4	200	200	200	1	4.000
GE0250BT4	250	250	250	1	4.000
GE0315BT4	315	315	315	1	8.000
GE0400BT4	400	400	400	1	8.000
GE0630BT4	630	630	630	1	15.000
GE0800BT4	800	630	630	1	15.000

❶ Refer to the side table for the selection of the handle. A shaft insert is standard-supplied with all direct operating handles so no other shaft extension is required in this case.
❷ See table on page 12-43 also for the types of fuses.
❸ The switch disconnector is standard-supplied with fuse protection shield.
❹ Standard supplied with IEC IP20 terminal protection.
❺ See page 12-67 for technical characteristics.

Selection of handles
Refer to the left-hand switch disconnector table for the selection of the handle.
For the other accessories see page 12-43.

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX65D	GAX66NB	GAX66N
GEX66ND	GEX66NB	GEX66N
GEX67ND	GEX67NB	GEX67N
GEX68ND	GEX68NB	GEX68N

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX61D	GEX61NB	GEX61N

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX61D	GEX61NB	GEX61N
GEX62D	GEX66NB	GEX66N
GEX63D	GEX67NB	GEX67N
GEX64D	GEX68NB	GEX68N

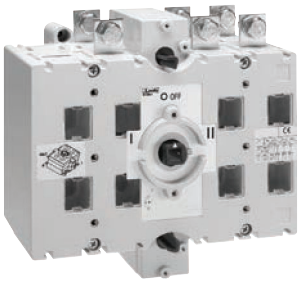
Direct operating	Door coupling	
Black	Black	Red/yellow
GEX62D	GEX66NB	GEX66N
GEX63D	GEX67NB	GEX67N
GEX64D	GEX68NB	GEX68N

General characteristics
- 50A to 1600A
- 4-pole types (3P+N) with early-make late-break neutral pole
- Available versions: direct operating and door coupling
- Screw fixing: 35mm DIN rail mount adapter kit for GE0160T4P on page 12-43
- Padlockable in 0 position with no extra accessory.

Operational characteristics
- IEC rated insulation voltage Ui:
  - 1000V for GE0160T4...GE1600T4, GE0160T4P, GE0250...GE0800NT4/BT4
  - 800V for GE0160NT4/BT4, GE0050FT4, GE0125FT4, GEO161NT4, GE0200BT4.
- Mechanical life:
  - 30,000 cycles for GE0160T4...GE0250T4, GE0160T4P
  - 20,000 cycles for GE0251T4...GE0400T4
  - 10,000 cycles for GE0500T4...GE1600T4, GE0050FT4, GE0125FT4, GE0160...GE0400NT4/BT4.
  - 5,000 cycles for GE0630BT4/BT4 and GE0800NT4/BT4.

Certifications and compliance
Certifications obtained: EAC.
Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-3.

Three-pole changeover switches



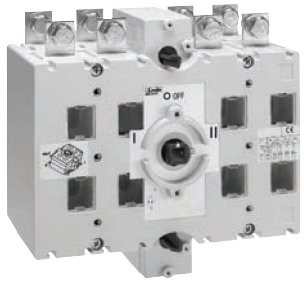
GE...E

Order code	IEC conventional free air thermal current Ith AC21A (≤500V)	IEC rated operational current Ie AC23B (≤400V)	IEC rated operational current Ie AC23B (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
Separately purchase the handle and shaft extension ❶.					
GE0160E	160	160	125	1	1.800
GE0200E	200	160	125	1	1.900
GE0201E	200	160	125	1	4.800
GE0250E	250	180	150	1	4.800
GE0315E	315	200	160	1	5.000
GE0400E	400	250	200	1	5.000
GE0500E	500	400	250	1	11.500
GE0630E	630	500	315	1	11.500
GE0800E	800	630	400	1	11.900
GE1000E	1000	1000	800	1	21.800
GE1250E	1250	1000	900	1	23.600
GE1600E	1600	1000	900	1	50.000
new **GE2000E**	2000	2000	2000	1	52.000
GE2500E	2500	2500	2500	1	119.000
GE3150E	3150	3150	3150	1	139.000

Selection of handles
Refer to the left-hand changeover switch table for the selection of the handle.
For the other accessories see pages 12-41.

Direct operating	Door coupling
Black	Black
GEX61E	GEX61NC
GEX62NE	GEX62NC
GEX63NE	GEX63NC
GEX64NE	GEX64NC
GEX641NE	GEX641NC
GEX69ND	GEX69NB

Four-pole changeover switches



GE...ET4

Order code	IEC conventional free air thermal current Ith AC21A (≤500V)	IEC rated operational current Ie AC23B (≤400V)	IEC rated operational current Ie AC23B (≤500V)	Qty per pkg	Wt
	[A]	[A]	[A]	n°	[kg]
Separately purchase the handle and shaft extension ❶.					
GE0160ET4	160	160	125	1	2.100
GE0200ET4	200	160	125	1	2.200
GE0201ET4	200	160	125	1	5.300
GE0250ET4	250	180	150	1	5.300
GE0315ET4	315	200	160	1	5.500
GE0400ET4	400	250	200	1	5.500
GE0500ET4	500	400	250	1	12.600
GE0630ET4	630	500	315	1	12.600
GE0800ET4	800	630	400	1	13.200
GE1000ET4	1000	1000	800	1	24.300
GE1250ET4	1250	1000	900	1	26.700
GE1600ET4	1600	1000	900	1	55.000
new **GE2000ET4**	2000	2000	2000	1	69.000
GE2500ET4	2500	2500	2500	1	159.000
GE3150ET4	3150	3150	3150	1	186.000

❶ Refer to the side table for the selection of the handle. A shaft insert is standard-supplied with all direct operating handles so no other shaft extension is required in this case.

Selection of handles
Refer to the left-hand changeover switch table for the selection of the handle.
For the other accessories see pages 12-41.

Direct operating	Door coupling
Black	Black
GEX61E	GEX61NC
GEX62NE	GEX62NC
GEX63NE	GEX63NC
GEX64NE	GEX64NC
GEX641NE	GEX641NC
GEX69ND	GEX69NB

General characteristics
- 160A to 3150A
- 4-pole types (3P+N) with early-make late-break neutral pole
- Available versions: direct operating and door coupling
- Screw fixing
- Padlockable in 0 position with no extra accessory.

Operational characteristics
- IEC rated insulation voltage Ui: 1000V
- Mechanical life: 30,000 cycles for GE0160E/ET4 and GE0200E/ET4 only; 10,000 cycles for other types.

Certifications and compliance
Certifications obtained: EAC.
Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-3.

GEX10...

GEX8900

GEX8...

GEX691C

GEX69...

Order code	Description	Qty per pkg	Wt
		n°	[kg]
Auxiliary contacts ❶❷.			
GEX1011❶❷	1NO/1NC changeover	1	0.032
GEX1022	2NA/2NC changeover	1	0.032
Auxiliary contacts for switch disconnector types GE0050F, GE0050FT4, GE0125F, GE0125FT4, GE0160N and GE0160NT4.			
GEX1011N❷	1NO/1NC changeover	1	0.024
GEX1022N	2NA/2NC changeover	1	0.024
Auxiliary contacts for switch disconnector types GE0160E, GE0200E, GE0160ET4, GE0200ET4, GE1600E and GE1600ET4.			
GEX1011M❷	1NO/1NC changeover	1	0.016
Adapter kit for 35mm DIN fixing.			
GEX8900	For GE...P types only	1	0.040
Set of terminal covers consisting of pieces given below. See pages from 12-41 to 12-43 and 12-47 for choice according to switch disconnector type. Screw fixing.			
GEX8101	1-piece set, transparent sheet covering 4 poles	1	0.048
GEX8111	2-piece set, each covers two poles	1	0.080
GEX8121	2-piece set, each covers two poles	1	0.140
GEX8131	2-piece set, each covers two poles	1	0.170
GEX8141	2-piece set, each covers two poles	1	0.440
Snap-on fixing.			
GEX8201	3-piece set, each covers one pole	1	0.090
GEX8203	4-piece set, each covers one pole	1	0.120
GEX8211	3-piece set, each covers one pole	1	0.120
GEX8212	3-piece set, each covers one pole	1	0.120
GEX8213	4-piece set, each covers one pole	1	0.160
GEX8221	3-piece set, each covers one pole	1	0.240
GEX8222	3-piece set, each covers one pole	1	0.240
GEX8223	4-piece set, each covers one pole	1	0.320
GEX8231	3-piece set, each covers one pole	1	0.340
GEX8232	3-piece set, each covers one pole	1	0.340
GEX8233	4-piece set, each covers one pole	1	0.440
GEX8311	3-piece set, each covers one pole	1	0.120
GEX8312	4-piece set, each covers one pole	1	0.160
GEX8321	3-piece set, each covers one pole	1	0.260
GEX8322	4-piece set, each covers one pole	1	0.340
GEX8331	3-piece set, each covers one pole	1	0.360
GEX8332	4-piece set, each covers one pole	1	0.460
Motorised control unit for changeover switches. Rated auxiliary supply voltage 230VAC. Complete with control handle, shaft extension and fixing elements.			
GEX690C	For GE0160E...GE0200E and GE0160ET4...GE0200ET4	1	3.000
GEX691C	For GE0201E...GE0400E and GE0201ET4...GE0400ET4	1	3.000
GEX692C	For GE0500E...GE0800E and GE0500ET4...GE0800ET4	1	3.000
GEX693C	For GE1000E...GE1250E and GE1000ET4...GE1250ET4	1	5.753
GEX694C	For GE1600...2000E and GE1600...2000ET4	1	5.900
GEX695C	For GE2500...3150E and GE2500...3150ET4	1	5.900

❶ Unsuitable for switch disconnectors type GE0050F, GE0050FT4, GE0125F, GE0125FT4, GE0160N, GE0160NT4, GE0160E, GE0200E, GE0160ET4, GE0200ET4, GE1600E and GE1600ET4.
❷ Changeover contact.

Selection of add-on contacts and accessories
Refer to the combinations given on pages 12-41 to 43 and 12-47 for a correct choice based on the switch disconnector type used.

General characteristics for auxiliary contacts
IEC conventional free air thermal current Ith: 16A.

General characteristics for motorised control units
- IEC rated auxiliary supply voltage: 230VAC
- 4 static outputs, 24VDC 120mA total
- 4 inputs, contacts powered at 24VDC or 5VDC (500mA) for changeover control (pulsed or continuous)
- RS485-Modbus (only for GEX692C, GEX693C and GEX694C) serial port for control, monitoring, programming
- Padlockable at 0 position
- Programming by position inputs
- 4-digit display for status-error indications.

Certifications and compliance
Certifications obtained: EAC.
Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-3.

12 Switch disconnectors

GE series 50A to 3150A.
Handles and shaft extensions

GEX...D - GEX...E

GEX62NE

new

GAX66N

new

GEX66N

GEX68N

new

GEX67NB

new

GAX7...AN

GEX7...

For the correct choice of handles and shaft extensions with switch disconnector see tables on pages 12-41 to 12-43.

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
DIRECT OPERATING LEVER HANDLE, PADLOCKABLE ❶. Rotating type with screw fixing on switch disconnector. Complete with shaft extension.			
GEX61D	95mm/3.7" black lever	1	0.340
GEX61E	50mm/2" black lever	1	0.052
GEX62D	105mm/4.1" black lever	1	0.268
GEX62NE	143mm/5.6" black lever	1	0.266
GEX63D❷	245mm/9.6" black lever	1	0.536
GEX63NE	176mm/6.9" black lever	1	0.424
GEX64D❷	360mm/14.2" black lever	1	0.612
GEX64NE❷	396mm/15.6" black lever	1	0.612
GEX641NE	396mm/15.6" black lever	1	0.620
GEX65D	50mm/2" black lever	1	0.054
GEX66ND	115mm/4.5" black lever	1	0.216
GEX67ND	143mm/5.6" black lever	1	0.322
GEX68ND❷	396mm/15.6" black lever	1	0.328
GEX69ND	604mm/25.2" black lever	1	0.740
DOOR COUPLING LEVER HANDLE, PADLOCKABLE ❶. Red/yellow rotating type with screw fixing on door. Shaft extension to order separately ❶. Defeatable (requirement UL508A).			
GAX66N❸	65mm/2.6" lever. ☐7mm/0.3" ❸. IP66	1	0.075
GEX61N	94mm/3.7" lever. ☐ 7mm/0.3". IP65	1	0.326
GEX66N	115mm/4.5" lever. ☐ 10mm/0.4". IP65	1	0.248
GEX67N	143mm/5.6" lever. ☐ 14mm/0.6". IP65	1	0.302
GEX68N❷	396mm/15.6" lever. ☐ 14mm/0.6". IP65	1	0.312
DOOR COUPLING LEVER HANDLE, PADLOCKABLE ❶. Black rotating type with screw fixing on door. Shaft extension to order separately ❶. Defeatable (requirement UL508A).			
GAX66NB❸	65mm/2.6". ☐7mm/0.3" ❸. IP66	1	0.075
GEX61NB	94mm/3.7". ☐ 7mm/0.3". IP65	1	0.334
GEX61NC	94mm/3.7". ☐ 7mm/0.3". IP65	1	0.074
GEX62NC	143mm/5.6". ☐ 10mm/0.4". IP65	1	0.252
GEX63NC	176mm/6.9". ☐ 14mm/0.6". IP65	1	0.302
GEX64NC❷	396mm/15.6". ☐ 14mm/0.6". IP65	1	0.488
GEX641NC	396mm/15.6". ☐ 14mm/0.6". IP65	1	0.500
GEX66NB	115mm/4.5". ☐ 10mm/0.4". IP65	1	0.246
GEX67NB	143mm/5.6". ☐ 14mm/0.6". IP65	1	0.298
GEX68NB❷	396mm/15.6". ☐ 14mm/0.6". IP65	1	0.310
GEX69NB	604mm/25.2". ☐ 14mm/0.6". IP65	1	0.740
SHAFT EXTENSIONS for door coupling handles ❶.			
GAX7150AN	150mm/5.9", ☐ 7mm/0.3"	1	0.090
GAX7200AN	200mm/7.9", ☐ 7mm/0.3"	1	0.112
GAX7300AN	300mm/11.8", ☐ 7mm/0.3"	1	0.160
GAX7400AN	400mm/15.7", ☐ 7mm/0.3"	1	0.200
GAX7500AN	500mm/19.7", ☐ 7mm/0.3"	1	0.250
GEX7162N	177mm/7", ☐ 7mm/0.3"	1	0.056
GEX7195N	195mm/7.7", ☐ 14mm/0.6"	1	0.248
GEX7227N	227mm/8.9", ☐ 10mm/0.4"	1	0.154
GEX7239N	239mm/9.4", ☐ 14mm/0.6"	1	0.310
GEX7250N	250mm/9.8", ☐ 7mm/0.3"	1	0.084
GEX7345N	345mm/13.6", ☐ 14mm/0.6"	1	0.480
GEX7375N	375mm/14.7", ☐ 10mm/0.4"	1	0.274
GEX7387N	387mm/15.2", ☐ 7mm/0.3"	1	0.142
GEX7536N	536mm/21.1", ☐ 10mm/0.4"	1	0.408
GEX7535N	535mm/21", ☐ 14mm/0.6"	1	0.784
GEX7485N	485mm/19.1", ☐ 14mm/0.6"	1	0.930

Certifications and compliance
Certification obtained: cULus according to UL98A/CSA C22.2 no. 4 only for types GAX66N... and GAX7...AN; EAC for all.
Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-3.

Form and handle length	Handle types
50mm/2"	GEX61E - GEX65D
65mm/2.6"	GAX66N - GAX66NB
94mm/3.7"	GEX61N - GEX61NB GEX61NC
95mm/3.74"	GEX61D
105mm/4.1"	GEX62D
115mm/4.5"	GEX66ND - GEX66NB GEX66N
143mm/5.6"	GEX62NC - GEX62NE GEX67N - GEX67NB GEX67ND
176mm/6.9"	GEX63NC - GEX63NE
245mm/9.6"	2-hand GEX63D
360mm/14.2"	2-hand GEX64D
396mm/15.6"	2-hand GEX64NC - GEX64NE - GEX641NC - GEX641NE - GEX68N - GEX68NB - GEX68ND
604mm/25.2"	2-hand GEX69ND - GEX69NB

❶ See tables on pages 12-41 to 43 and 12-47 for the correct choice based on the switch disconnector type used.
❷ 2-hand control.
❸ Use with GAX7...AN extension types only.

Summary table of combinations - Three and four-pole changeover switches

Type	IEC conventional thermal current Ith	IEC rated free air current		Direct operating handle	Door coupling handles		Shaft extensions for door coupling handles (the last 3 digits of GEX code indicate length in mm/in)			Auxiliary contacts 1NO/1NC	Motorised control unit	Terminal covers for:		
	AC21A (≤500V)	AC23B (≤400V)	AC23B (≤500V)	Black	Black	Red/yellow		Exten. section	Max panel depth			Line 1	Line 2	Load
Order code	[A]	[A]	[A]	Order code	Order code	Order code	Order code	□	[mm/in]	Order code	Order code	Order code	Order code	Order code
Three-pole changeover switches.														
GE0160E	160	160	125	GEX61E	GEX61NC	—	GEX7162N	7mm/ 0.3”	269/10.59”	GEX1011M	GEX690C	GEX8101 ❶	❶	GEX8101
GE0200E	200	160	125				GEX7250N		342/13.36”					
							GEX7387N		479/18.86”					
GE0201E	200	160	125	GEX62NE	GEX62NC	—	GEX7227N	10mm/ 0.4”	279/10.98”	GEX1011	GEX691C	GEX8212	GEX8211	GEX8311
GE0250E	250	180	150				GEX7375N		427/16.81”					
GE0315E	315	200	160				GEX7536N		588/23.15”					
GE0400E	400	250	200											
GE0500E	500	400	250	GEX63NE	GEX63NC	—	GEX7195N	14mm/ 0.6”	257/10.12”		GEX692C	GEX8222	GEX8221	GEX8321
GE0630E	630	500	315				GEX7345N		407/16.02”					
GE0800E	800	630	400				GEX7535N		597/23.50”					
GE1000E	1000	1000	800	GEX64NE	GEX64NC	—			280/11.02”		GEX693C	GEX8232	GEX8231	GEX8331
GE1250E	1250	1000	900						430/16.93”					
									620/24.41”					
GE1600E	1600	1000	900			—	GEX7239N	14mm/ 0.6”	579/22.79”	GEX1011M	GEX694C	GEX8141	—	GEX8141
							GEX7485N		825/32.48”					
GE2000E	2000	1250	500	GEX41NE	GEX41NC	—	—	—	602/23.7”			—	—	—
GE2500E	2500	1800	1250	GEX69ND	GEX69NB	—	—	—	938/36.9”			—	—	—
GE3150E	3150	1800	1400			—	—	—			GEX695C	—	—	—
Four-pole changeover switches.														
GE0160ET4	160	160	125	GEX61E	GEX61NC	—	GEX7162N	7mm/ 0.3”	269/10.59”	GEX1011M	GEX690C	GEX8101 ❶	❶	GEX8101
GE0200ET4	200	160	125				GEX7250N		342/13.36”					
							GEX7387N		479/18.86”					
GE0201ET4	200	160	125	GEX62NE	GEX62NC	—	GEX7227N	10mm/ 0.4”	279/10.86”	GEX1011	GEX691C	GEX8213	GEX8213	GEX8312
GE0250ET4	250	180	150				GEX7375N		427/16.81”					
GE0315ET4	315	200	160				GEX7536N		588/23.15”					
GE0400ET4	400	250	200											
GE0500ET4	500	400	250	GEX63NE	GEX63NC	—	GEX7195N	14mm/ 0.6”	257/10.12”		GEX692C	GEX8223	GEX8223	GEX8322
GE0630ET4	630	500	315				GEX7345N		407/16.02”					
GE0800ET4	800	630	400				GEX7535N		597/23.50”					
GE1000ET4	1000	1000	800	GEX64NE	GEX64NC	—			280/11.02”		GEX693C	GEX8233	GEX8233	GEX8332
GE1250ET4	1250	1000	900						430/16.93”					
									620/24.41”					
GE1600ET4	1600	1000	900			—	GEX7239N	14mm/ 0.6”	579/22.79”	GEX1011M	GEX694C	GEX8141	—	GEX8141
							GEX7485N		825/32.48”					
GE2000ET4	2000	1250	500	GEX41NE	GEX41NC	—	—	—	602/23.7”				—	
GE2500ET4	2500	1800	1250	GEX69ND	GEX69NB	—	—	—	938/36.9”		GEX695C	—	—	—
GE3150ET4	3150	1800	1400			—	—	—				—	—	—

❶ GEX8101 terminal cover protects the input of both Line 1 and Line 2; nothing else is required for Line 2.

Summary table of combinations - Three-pole switch disconnectors

Three pole type ❶	IEC conventional free air thermal current Ith	IEC rated operational current Ie		Direct operating handle	Door coupling handles		Shaft extensions for door coupling handles (the last 3 digits of GEX code indicate length in mm/in)			Auxiliary contacts 1NO/1NC	Type of fuse	Terminal covers for:	
	AC21A (≤500V)	AC23A (≤400V)	AC23A (≤500V)	Black	Black	Red/yellow		Exten. section	Max panel depth			Line	Load
Order code	[A]	[A]	[A]	Order code	Order code	Order code	Order code	□	[mm/in]	Order code		Order code	Order code
Switch disconnectors.													
GE0160P❷	160	160	125	GEX65D	GAX66NB	GAX66N	GAX7150AN❹	7mm/ 0.3”	214/8.42”	GEX1011	—	❷	❷
GE0160	160	160	125				GAX7200AN❹		264/10.39”			GEX8101	GEX8101
GE0200	200	160	125				GAX7300AN❹		364/14.33”				
GE0250	250	160	125				GAX7400AN❹						
							GAX7500AN❹						
GE0251	250	250	200	GEX66ND	GEX66NB	GEX66N	GEX7227N	10mm/ 0.4”	267/10.51”			GEX8111	GEX8111
GE0315	315	315	250				GEX7375N		415/16.34”				
GE0400	400	400	315				GEX7536N		576/22.68”				
GE0500	500	500	400	GEX67ND	GEX67NB	GEX67N	GEX7195N	14mm/ 0.6”	251/9.88”			GEX8121	GEX8121
GE0630	630	630	500				GEX7345N		401/15.79”				
GE0800	800	800	500				GEX7535N		591/23.27”				
GE1000	1000	1000	800	GEX68ND	GEX68NB	GEX68N			267/10.51”			GEX8131	GEX8131
GE1250	1250	1000	800						417/16.42”				
									607/23.90”				
GE1600	1600	1000	900				GEX7239N	14mm/ 0.6”	399/15.71”			GEX8141	GEX8141
							GEX7485N		645/25.39”				
Switch disconnectors with NFC fuse holder.													
GE0050F❸	50	50	50	GEX61D	GEX61NB	GEX61N	GEX7162N	7mm/ 0.3”	192/7.56”	GEX1011N	14x51	❸	❸
GE0125F❸	125	125	125				GEX7250N		265/10.43”		22x58		
							GEX7387N		402/15.83”				
Switch disconnectors with NH fuse holder.													
GE0160N	160	160	125	GEX61D	GEX61NB	GEX61N	GEX7162N	7mm/ 0.3”	192/7.56”	GEX1011N	00	GEX8201	GEX8201
							GEX7250N		265/10.43”				
							GEX7387N		402/15.83”				
GE0161N	160	160	160	GEX62D	GEX66NB	GEX66N	GEX7227N	10mm/ 0.4”	302/11.89”	GEX1011	0	GEX8211	GEX8212
							GEX7375N		450/11.72”				
							GEX7536N		611/24.05”				
GE0250N	250	250	250	GEX63D	GEX67NB	GEX67N	GEX7195N	14mm/ 0.6”	271/10.67”		1	GEX8221	GEX8222
GE0400N	400	400	400				GEX7345N		421/16.57”		2		
							GEX7535N		611/24.05”				
GE0630N	630	630	630	GEX64D	GEX68NB	GEX68N			285/11.22”		3	GEX8231	GEX8232
GE0800N	800	630	630						435/17.12”				
									625/24.61”				
Switch disconnectors with BS fuse holder.													
GE0160B	160	160	160	GEX62D	GEX66NB	GEX66N	GEX7227N	10mm/ 0.4”	302/11.89”	GEX1011	A4	GEX8211	GEX8212
GE0200B	200	200	200				GEX7375N		450/11.72”		B1-B2		
GE0250B	250	250	250				GEX7536N		611/24.05”				
GE0315B	315	315	315	GEX63D	GEX67NB	GEX67N	GEX7195N	14mm/ 0.6”	271/10.67”		B1-B2-B3	GEX8221	GEX8222
GE0400B	400	400	400				GEX7345N		421/16.57”		B1-B2-B3-B4		
							GEX7535N		611/24.05”				
GE0630B	630	630	630	GEX64D	GEX68NB	GEX68N			285/11.22”		C1-C2	GEX8231	GEX8232
GE0800B	800	630	630						435/17.12”		C1-C2-C3		
									625/24.61”				

❶ The motorised control unit cannot be installed.

❷ Standard supplied with IP20 terminal protection warranted by wired equipment with only maximum conductor section of 95mm². Suitable for mounting on 35mm DIN rail, GEX8900 kit is available on page 12-39.

❸ Standard supplied with IEC IP20 terminal protection warranted by wired equipment with only maximum conductor section of 35mm² for GE0050F and of 95mm² for GE0125F.

❹ Extension length for type GAX7150AN is 186mm/7.32”, type GAX7200AN 236mm/9.29”, type GAX7300AN 336mm/13.23”, type GAX7400AN 436mm/17.16” and type GAX7500AN 536mm/21.10”.

Summary table of combinations - Four-pole switch disconnectors

Four pole type ❶	IEC conventional free air thermal current Ith	IEC rated operational current Ie		Direct operating handle	Door coupling handles		Shaft extensions for door coupling handles (the last 3 digits of GEX code indicate length in mm/in)			Auxiliary contacts 1NO/1NC	Type of fuse	Terminal covers for:	
	AC21A (≤500V)	AC23A (≤400V)	AC23A (≤500V)	Black	Black	Red/yellow		Exten. section	Max panel depth			Line	Load
Order code	[A]	[A]	[A]	Order code	Order code	Order code	Order code	□	[mm/in]	Order code		Order code	Order code
Switch disconnectors.													
GE0160T4P❷	160	160	125	GEX65D	GAX66NB	GAX66N	GAX7150AN❺	7mm/ 0.3”	214/8.42”	GEX1011	—	❷	❷
GE0160T4	160	160	125				GAX7200AN❺		264/10.39”			GEX8101	GEX8101
GE0200T4	200	160	125				GAX7300AN❺		364/14.33”				
GE0250T4❸	250❸	160	125				GAX7400AN❺						
							GAX7500AN❺						
GE0251T4	250	250	200	GEX66ND	GEX66NB	GEX66N	GEX7227N	10mm/ 0.4”	267/10.51”			GEX8111	GEX8111
GE0315T4	315	315	250				GEX7375N		415/16.34”				
GE0400T4	400	400	315				GEX7536N		576/22.68”				
GE0500T4	500	500	400	GEX67ND	GEX67NB	GEX67N	GEX7195N	14mm/ 0.6”	251/9.88”			GEX8121	GEX8121
GE0630T4	630	630	500				GEX7345N		401/15.79”				
GE0800T4	800	800	500				GEX7535N		591/23.27”				
GE1000T4	1000	1000	800	GEX68ND	GEX68NB	GEX68N			267/10.51”			GEX8131	GEX8131
GE1250T4	1250	1000	800						417/16.42”				
									607/23.90”				
GE1600T4	1600	1000	900				GEX7239N	14mm/ 0.6”	399/15.71”			GEX8141	GEX8141
							GEX7485N		645/25.39”				
Switch disconnectors with NFC fuse holder.													
GE0050FT4❹	50	50	50	GEX61D	GEX61NB	GEX61N	GEX7162N	7mm/ 0.3”	192/7.56”	GEX1011N	14x51	❹	❹
GE0125FT4❹	125	125	125				GEX7250N		265/10.43”		22x58		
							GEX7387N		402/15.83”				
Switch disconnectors with NH fuse holder.													
GE0160NT4	160	160	125	GEX61D	GEX61NB	GEX61N	GEX7162N	7mm/ 0.3”	192/7.56”	GEX1011N	00	GEX8203	GEX8203
							GEX7250N		265/10.43”				
							GEX7387N		402/15.83”				
GE0161NT4	160	160	160	GEX62D	GEX66NB	GEX66N	GEX7227N	10mm/ 0.4”	302/11.89”	GEX1011	0	GEX8213	GEX8213
							GEX7375N		450/17.72”				
							GEX7536N		611/24.05”				
GE0250NT4	250	250	250	GEX63D	GEX67NB	GEX67N	GEX7195N	14mm/ 0.6”	271/10.67”		1	GEX8223	GEX8223
GE0400NT4	400	400	400				GEX7345N		421/16.57”		2		
							GEX7535N		611/24.05”				
GE0630NT4	630	630	630	GEX64D	GEX68NB	GEX68N			285/11.22”		3	GEX8233	GEX8233
GE0800NT4	800	630	630						435/17.12”				
									625/24.61”				
Switch disconnectors with BS fuse holder.													
GE0160BT4	160	160	160	GEX62D	GEX66NB	GEX66N	GEX7227N	10mm/ 0.4”	302/11.89”	GEX1011	A4	GEX8213	GEX8213
GE0200BT4	200	200	200				GEX7375N		450/17.72”		B1-B2		
GE0250BT4	250	250	250				GEX7536N		611/24.05”				
GE0315BT4	315	315	315	GEX63D	GEX67NB	GEX67N	GEX7195N	14mm/ 0.6”	271/10.67”		B1-B2-B3	GEX8223	GEX8223
GE0400BT4	400	400	400				GEX7345N		421/16.57”		B1-B2-B3-B4		
							GEX7535N		611/24.05”				
GE0630BT4	630	630	630	GEX64D	GEX68NB	GEX68N			285/11.22”		C1-C2	GEX8233	GEX8233
GE0800BT4	800	630	630						435/17.12”		C1-C2-C3		
									625/24.61”				

❶ The motorised control unit cannot be installed.
❷ Standard supplied with IP20 terminal protection warranted by wired equipment with only maximum conductor section of 95mm². Suitable for mounting on 35mm DIN rail, GEX89 00 kit is available on page 12-39.
❸ 250A Ith; 200A AC21A ≤500V.
❹ Standard supplied with IEC IP20 terminal protection warranted by wired equipment with only maximum conductor section of 35mm² for GE0050FT4 and of 95mm² for GE0125FT4.
❺ Extension length for type GAX7150AN is 186mm/7.32”, type GAX7200AN 236mm/9.29”, type GAX7300AN 336mm/13.23”, type GAX7400AN 436mm/17.16” and type GAX7500AN 536mm/21.10”.

Three-pole disconnect switches with fuse holder (UL98)

GMF...030C12

GMFJ100C03

GMFJ400C03

GMFL800C03

Order code	General purpose current	UL fuse type	Command pole position	Qty per pkg	Wt
	[A]	[A]		n°	[kg]
Supplied without handle. Complete the disconnect switch by selecting shaft extension and handle for door coupling version or the handle for direct operating version (see page 12-45).					
GMFC030C12	30	CC	Central	1	0.700
GMFJ030C12	30	J	Central	1	0.700
GMFJ060C12	60	J	Central	1	1.135
GMFJ060C03	60	J	Left	1	1.135
GMFJ100C03	100	J	Left	1	1.815
GMFJ200C03	200	J	Left	1	3.000
GMFJ400C03	400	J	Left	1	6.800
GMFJ600C03	600	J	Left	1	13.00
GMFL800C03	800	L	Left	1	13.00

UL/CSA ratings

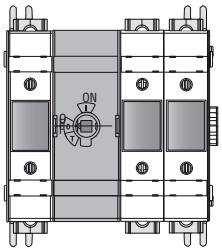
Type	1 phase [HP]		3 phase [HP]			Short-circuit rating at 600VAC	Fuse type	
	120V	240V	240V	480V	600V	[kA]	[A]	[class]
GMFC030C12	2	3	7.5	15	20	200	30	CC
GMFJ030C12	2	3	7.5	15	20	200	30	J
GMFJ060C12	-	-	15	30	50	200	60	J
GMFJ060C03	-	-	15	30	50	200	60	J
GMFJ100C03	-	-	30	60	75	200	100	J
GMFJ200C03	-	-	60	125	150	200	200	J
GMFJ400C03	-	-	125	250	350	200	400	J
GMFJ600C03	-	-	200	400	500	200	600	J
GMFL800C03	-	-	250	500	500	200	800	L

General characteristics
- General purpose current according to UL98: 30A to 800A
- Compact dimensions
- Available versions: direct operating and door coupling
- Screw or 35mm DIN rail fixing for GMF...030 types
- Possibility to adjust the position of the clips for fixing screw on plate for GMF...060 to GMF...800 types.

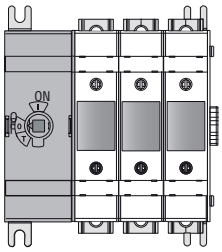
Operational characteristics
- IEC rated insulation voltage Ui: 1000V
- UL max operating voltage: 600V
- IEC rated impulse withstand Uimp: 12kV
- Mechanical life:
  - 10,000 cycles for GMF...030 and GMF...060
  - 8,000 cycles for GMFJ100C03 and GMFJ200C03
  - 5,000 cycles for GMFJ400C03 and GMFJ600C03
  - 3,000 cycles for GMFL800C03.

Certifications and compliance
Certifications obtained: cULus according to UL98 / CSA C22.2 n°4.
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1.

GMF...C12 type
Central command pole



GMF...C03 type
Left command pole



Add-on blocks

GMX1010

GMX3...

GMX800
GMX801

GMX802
GMX803
GMX804

GMX5...

GMXFM...

Order code	Description	Qty per pkg	Wt
		n°	[kg]
Auxiliary contacts, mounting to the switch mechanism.			
GMX1011❶	1NO/NC changeover	1	0.020
GMX1010	1NO	1	0.030
GMX1001	1NC	1	0.030
Module for auxiliary contacts mounting on the side of the switch mechanism.			
GMX33	For GMF...030 types	1	0.060
GMX34	For GMF...60 to GMF...800 types	1	0.065
Terminal covers.			
GMX800	3-piece set, each covers 1 pole for GMFJ100C03	1	0.080
GMX801	3-piece set, each covers 1 pole for GMFJ200C03	1	0.090
GMX802	1-piece set, covers 3 poles for for GMFJ400C03	1	0.080
GMX803	1-piece set, covers 3 poles for for GMFJ600C03	1	0.080
GMX804	1-piece set, covers 3 poles for for GMFL800C03	1	0.080
Terminal clamp sets for rigid and flexible cables.			
GMX500	6-piece set for GMFJ100C03	1	0.200
GMX501	6-piece set for GMFJ200C03	1	0.200
GMX502	6-piece set for GMFJ400C03	1	0.500
GMX503	6-piece set for GMFJ400C03	1	1.000
GMX504	6-piece set for GMFJ600C03 and GMFL800C03	1	1.600
Fuse monitor modules ❷.			
GMXFM1	Rated voltage 120...240V	1	0.145
GMXFM2	Rated voltage 380...600V	1	0.140
Crimp terminals for fuse monitor GMXF... cables.			
GMX505	6-piece set. Terminal size 2.8-0.8mm/0.11-0.03"	1	0.004

Operational characteristics of auxiliary contacts GMX1011
- IEC conventional free air thermal current Ith: 10A
- IEC rated insulation voltage: 400V
- Conductivity: 12V, 25mA
- Tightening torque: 0.8Nm/7.1lb.in
- Maximum 6 contacts for GMF...030 disconnect switches.

Operational characteristics of auxiliary contacts GMX1010/01
- IEC/UL conventional free air thermal current Ith: 16A/10A
- IEC/UL rated insulation voltage: 690V/600V
- Conductivity: 24V, 10mA
- UL/CSA and IEC/EN 60947-5-1 designation: A600 R300
- Tightening torque: 0.8Nm/7.1lb.in
- Maximum 8 contacts for GMF...060 to GMFL800 disconnect switches.

Operational characteristics for terminal clamps
- Minimum and maximum conductor cross section:
  - GMX500: 2.5...70mm² / 14-2/0AWG
  - GMX501: 25...150mm² / 4-300Kcmil
  - GMX502: 35...300mm² / 2-600Kcmil
  - GMX503: (2)x 35...150mm² / (2x) 4-300Kcmil
  - GMX504: (2)x 35...300mm² / (2x) 2-600Kcmil
- Tightening torque:
  - GMX500: 13Nm / 120lb.in.
  - GMX501: 22Nm / 200lb.in
  - GMX502: 42Nm / 375lb.in
  - GMX503: 22Nm / 200lb.in
  - GMX504: 22.6Nm / 200lb.in.

Operational characteristics for terminal covers
- Snap-on mounting.

Certifications and compliance
Certifications obtained: cULus for GMX1010, GMX1001, GMXFM1 and GMXFM2.
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1.

❶ Only for GMF...030 types.
❷ For all GM switch disconnectors. Suitable for 1 or 3 phase circuits. Includes 1 NO and 1 NC auxiliary contacts and red/green LED lights for indication.

Handles and shafts

GMX62DB

GMX62

GLX00

GMX7…S06

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
Direct operating handles.			
GMX61DB	For GMF...030. Black	1	0.050
GMX62DB	For GMFJ060...GMFJ200. Black	1	0.150
GMX63DB	For GMFJ400. Black	1	0.350
GMX64DB	For GMFJ600...GMFL800. Black	1	1.100
Door coupling handles.			
GAX66N	For GMF...030...GMFJ200. Screw fixing. 65mm/2.56" lever length pistol handle - defeatable (req. UL508A). Red/yellow. ☐ 6mm/0.24"	1	0.050
GAX66NB	For GMF...030...GMFJ200. Screw fixing. 65mm/2.56" lever length pistol handle - defeatable (req. UL508A). Black. ☐ 6mm/0.24"	1	0.050
GMX61	For GMFJ400. Screw fixing. 125mm/4.92" lever length pistol handle - defeatable (req. UL508A). Red/yellow. ☐ 12mm/0.47"	1	0.050
GMX61B	For GMFJ400. Screw fixing. 125mm/4.92" lever length pistol handle - defeatable (req. UL508A). Black. ☐ 12mm/0.47"	1	0.200
GMX62	For GMFJ600...GMFL800. Screw fixing. 175mm/6.89" lever length pistol handle - defeatable (req. UL508A). Red/yellow. ☐ 12mm/0.47"	1	0.200
GMX62B	For GMFJ600...GMFL800. Screw fixing. 175mm/6.89" lever length pistol handle - defeatable (req. UL508A). Black. ☐ 12mm/0.47"	1	0.200
Accessories for door coupling handles.			
GLX00	Shaft alignment ring	1	0.040
Shaft extensions for door coupling handles GAX66N and GAX66NB types.			
GMX7150S06	150mm/5.90", ☐ 6mm/0.24"	1	0.120
GMX7300S06	300mm/11.81", ☐ 6mm/0.24"	1	0.155
Shaft extensions for door coupling handles GMX61, GMX61B, GMX62 and GMX62B types.			
GMX7150S12	150mm/5.90", ☐ 12mm/0.47"	1	0.240
GMX7300S12	300mm/11.81", ☐ 12mm/0.47"	1	0.280
GMX7500S12	500mm/19.68", ☐ 12mm/0.47"	1	0.310

Operational characteristics for direct operating handles
- Screw fixing on disconnect switches
- 1 to 3 padlocks in the Ø5...6.2mm/0.2...0.24".

Operational characteristics for door coupling handles
- Handle fixing centres: 28x40mm/1.1x1.57"
- 1 to 3 padlocks in the Ø4...8mm/0.16...0.31" for all handles
- Tightening torque: 1.5Nm/13.3lb.in
- Degree of protection: IP66 and NEMA 4X per UL.

NOTE: the handles type GAX66N, GAX66NB, GMX61, GMX61B, GMX62, GMX62B are in accordance with UL/CSA Type 1, 2, 3R, 12, 12K, 4, 4X for external use.

Certifications and compliance
Certifications obtained: cULus for GMX62DB, GMX63DB, GMX64DB, GAX66N, GAX66NB, GMX61, GMX61B, GMX62, GMX62B, GLX00, GMX7...
Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-3.

NFPA handle

GMX61NFPA

GMXCL...

GMX30

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
Flange handle.			
GMX61NFPA	For GMF...030...GMFJ200. NEMA 4, 4X. Black	1	1.850
Flexible connection cables for GMX61NFPA.			
GMXCL36	Cable length 914mm/36"	1	0.400
GMXCL48	Cable length 1220mm/48"	1	0.500
GMXCL60	Cable length 1520mm/60"	1	0.550
GMXCL72	Cable length 1828mm/72"	1	0.650
Support and operating mechanism for GMX61NFPA.			
GMX30	For GMF...030	1	0.830
GMX31	For GMFJ060C12	1	1.180
GMX32	For GMF...060...GMFJ200	1	1.520

General characteristics for NFPA handle
The GMX61NFPA lever handle complies with the requirements of the North American NFPA79 standard. This standard requires that the switch disconnector can be operated without accessories or tools whether the door is closed or open. In case of operation with an open door, a device is integrated into the GMX61NFPA handle to prevent it from being activated unless a voluntary action is taken to unlock it.

Certifications and compliance
Certifications obtained: cURus for GMX61NFPA.
Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS 60947-3.

GA series switch disconnectors

GA040D

GAX42...D

Order code	IEC conventional free air thermal current Ith	IEC rated operational current Ie DC21B❶❷ Poles in series 3 poles 500V	4 poles 600V	800V	Qty per pkg	Wt
	[A]	[A]	[A]	[A]	n°	[kg]
Switch disconnector complete with black handle.						
GA040D	40	12	—	—	1	0.135
Fourth pole.						
GAX42040D	40	—	20	15	1	0.040

❶ Connection of 4 poles in series.
❷ For other operational voltages, refer to technical characteristics on page 12-73.

GD series switch disconnectors

GD040AT4

new

Order code	IEC conventional free air thermal current Ith	IEC rated operational current Ie DC21B❷ ≤800V	1000V	1200V	1500V	Qty per pkg	Wt
	[A]	[A]	[A]	[A]	[A]	n°	[kg]
Switch disconnector complete with black handle.							
GD025AT2	25	25	16	—	—	1	0.140
GD025AT3	25	25	25	—	—	1	0.180
GD032AT3	32	32	32	—	—	1	0.180
GD032AT4	32	32	32	25	20	1	0.220
GD040AT3	40	40	32	—	—	1	0.180
GD040AT4	40	40	40	32	25	1	0.220

IEC/EN/BS IP65 plastic enclosed GAZ series switch disconnectors

GAZ016DT2

GAZ040DT4

Order code	IEC conventional thermal current Ith	IEC rated operational current Ie DC21B ≤800V	1000V	1200V	1500V	Qty per pkg	Wt
	[A]	[A]	[A]	[A]	[A]	n°	[kg]
With red/yellow handle.							
GAZ025DT2	25	25	16	—	—	1	0.450
GAZ032DT3	32	32	32	—	—	1	1.050
GAZ040DT4	40	40	40	32	25	1	1.050
With black handle.							
GAZ025DT2B	25	25	16	—	—	1	0.450
GAZ032DT3B	32	32	32	—	—	1	1.050
GAZ040DT4B	40	40	40	32	25	1	1.050

General characteristics
- Up to 40A (1000VDC) and 32A (1200VDC)
- Modular construction
- Jumpers for connecting the poles in series supplied as standard with disconnectors GD series...
- Available versions:
  - Direct operating
  - Door coupling version. Use switch disconnector with direct actuator and separately purchase the handle and shaft extension for this version. See pages 12-14 to 12-16
- Screw or 35mm DIN rail fixing
- Padlockable in 0 position with no extra accessory.

Operational characteristics
- Rated insulation voltage for GA...D and GD... Ui: 1000V (pollution degree 3)
- Rated insulation voltage for GD... Ui: 1500V (pollution degree 2)
- Rated impulse withstand Uimp: 8kV
- Mechanical life:
  - 100,000 cycles GA040D
  - 10,000 cycles GD...
- Operating temperature: -25°C...+55°C
- Storage temperature: -40°C...+70°C
- Degree of protection: IP20 (only for GA040D).

Certifications and compliance
Certifications obtained: UL Listed for USA and Canada (cULus - File E93602) as Manual Motor Controllers, to UL508/CSA C22.2 n° 14 for GA040D and GAX42040D; EAC for GA...D.
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1, UL60947-4-1.

Strokes of GA...D types (main poles and add-on pole)

Travel 0→1	0°	30°	60°	90°
GA040D Main poles			60°	
GAX42040D Simultaneous fourth-pole add on			60°	

Components

Enclosure	Switch disconnector	Handle included with GAZ...
GAZ1	GD025AT2	GAX61
GAZ2❸	GD032AT3	GAX61
GAZ2❸	GD040AT4	GAX61
GAZ1B	GD025AT2	GAX61B
GAZ2B❸	GD032AT3	GAX61B
GAZ2B❸	GD040AT4	GAX61B

❸ For further details contact our Technical support; see contact details on inside front cover.

General characteristics
- Enclosure material: ABS
- Possible accessories to mount afterwards, if any required:
  - GAX30 to provide shielded cable connection continuity (e.g. with static converters)
- Padlockable handles
- Sealable cover
- Tightening torque for cover screws:
  - GAZ025...: 1.3Nm/16lb.in
  - Other types: 1.5Nm/13lb.in.
- Degree of protection: IP65
- Cable entry:
  - GAZ025... types: PG16/M25 and PG13.5/M20 knockouts
  - GAZ032... and GAZ040... types: PG16/M25 and PG29/M32 knockouts.

Certifications and compliance
Certifications obtained: EAC
Compliant with standards: IEC/EN/BS 60947-3, IEC/EN/BS 60947-1.

GE series four-pole switch disconnectors

GE...DT4

Order code	IEC conven-tional free air thermal current Ith	IEC rated operational current Ie DC21B ❷			Qty per pkg	Wt
		220V	800V	1000V		
	[A]	[A]	[A]	[A]	n°	[kg]
Direct operating and door coupling versions. Separately purchase the handle and shaft extension ❶.						
GE0125DT4	125	125	125	100	1	1.900
GE0250DT4	250	250	250	200	1	2.000
GE0315DT4	315	315	280	250	1	4.000
GE0630DT4	630	630	600	500	1	4.500
GE0800DT4	800	800	630	630	1	4.500
GE1250DT4	1250	1250	1000	850	1	8.900

❶ Refer to the side table for the selection of the handle. A shaft insert is standard-supplied with all direct operating handles so no other shaft extension is required in this case.
❷ Connection of 4 poles in series.

Selection of handles and accessories
Refer to the left-hand switch disconnector table for the selection of the handle.
For the other accessories see pages 12-39 and 12-40.

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX66ND	GEX66NB	GEX66N
GEX67ND	GEX67NB	GEX67N
GEX68ND	GEX68NB	GEX68N

General characteristics
- Up to 850A, 1000VAC
- Available versions:
  - Direct operating
  - Door coupling. Use switch disconnector with direct actuator and separately purchase the handle and shaft extension for this version. See page 12-40
- Screw fixing
- Padlockable in 0 position with no extra accessory.

Operational characteristics
- IEC rated insulation voltage Ui: 1000V
- Mechanical life:
  - 20,000 cycles for GE0125DT4, GE0250DT4, GE0315DT4
  - 10,000 cycles for GE0630DT4, GE0800DT4, GE1250DT4.

Certifications and compliance
Certifications obtained: EAC.
Compliant with standards: IEC/EN/BS 60947-1, IEC/EN/BS IEC/EN/BS 60947-3.

12

Summary table of combinations - switch disconnectors for photovoltaic applications

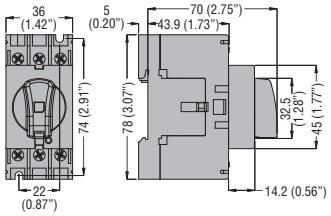
Four pole type ❸	IEC conven-tional free air thermal current Ith	IEC rated operational current Ie DC21B ❸			Direct operating handle	Door coupling handles		Shaft extensions for door coupling handles (the last 3 digits of GEX code indicate length in mm/in)			Auxiliary contacts 1NO/1NC	Terminal covers for:	
		600V	800V	1000V	Black	Black	Red/yellow		Exten. section	Max panel depth		Line	Load
Order code	[A]	[A]	[A]	[A]	Order code	Order code	Order code	Order code	□	[mm/in]	Order code	Order code	Order code
Switch disconnectors for photovoltaic applications.													
GE0125DT4	125	125	125	100	**GEX66ND**	**GEX66NB**	**GEX66N**	**GEX7227N**	10mm/	267/10.51"	**GEX1011**	**GEX8111**	**GEX8111**
GE0250DT4	250	250	250	200				**GEX7375N**	0.4"	415/16.34"			
GE0315DT4	315	315	280	250				**GEX7536N**		576/22.68"			
GE0630DT4	630	630	600	500	**GEX67ND**	**GEX67NB**	**GEX67N**	**GEX7195N**	14mm/	251/9.88"		**GEX8121**	**GEX8121**
GE0800DT4	800	700	630	630				**GEX7345N**	0.6"	401/15.79"			
								GEX7535N		591/23.27"			
GE1250DT4	1250	1250	1000	850	**GEX68ND**	**GEX68NB**	**GEX68N**			267/10.51"		**GEX8131**	**GEX8131**
										417/16.42"			
										607/23.90"			

❸ The motorised control unit cannot be installed.

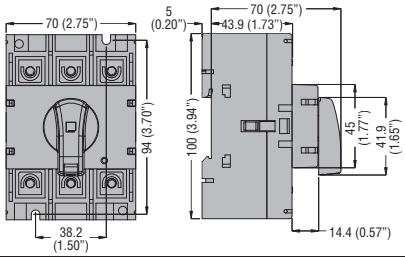
GA SERIES - 16A TO 160A SWITCH DISCONNECTORS

Direct operating version

GA016A...GA040A...
GA063SA...
GA040D

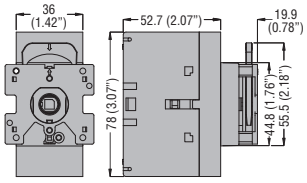


GA030A... - GA063A...GA160A...

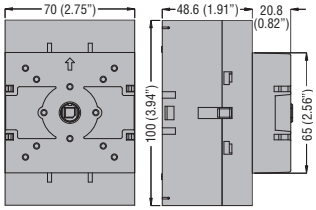


Door mount version

GA016C...GA040C
GA063SC



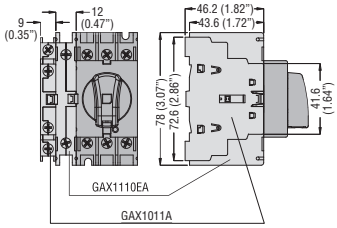
GA030C - GA063C...GA160C



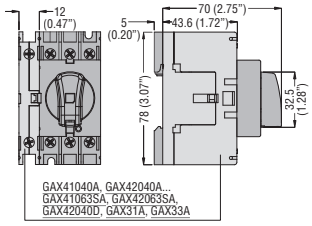
ADD-ON BLOCKS AND ACCESSORIES

For GA016A...GA040A..., GA063SA..., GA040D

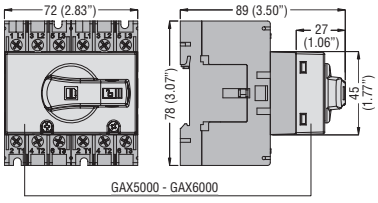
Auxiliary contacts
GAX1011A
GAX1110EA



Fourth pole
GAX41040A - GAX42040A
GAX41063SA - GAX42063SA
GAX42040D
Neutral **GAX31A** - earth/ground **GAX33A** terminals

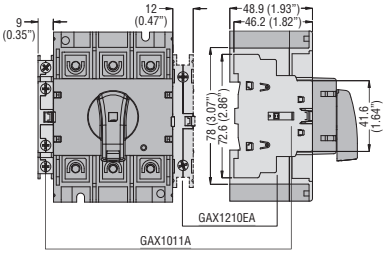


Mechanical interlock **GAX5000** and
mechanical coupling system **GAX6000**

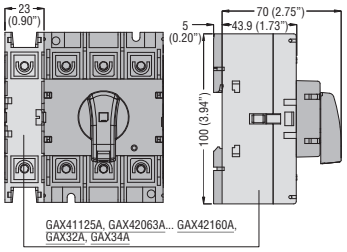


For GA030A, GA063A...GA160A

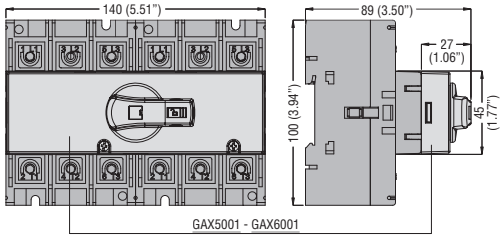
Auxiliary contacts
GAX1011A
GAX1210EA



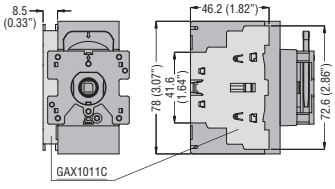
Fourth pole
GAX41125A
GAX42063A...GAX42160A
Neutral **GAX32A** - earth/ground **GAX34A** terminals



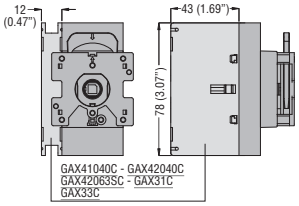
Mechanical interlock **GAX5001** and
mechanical coupling system **GAX6001**



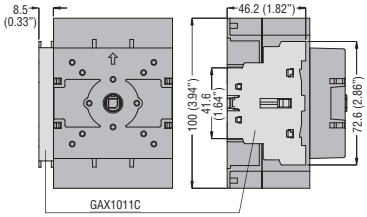
For GA016C...GA040C and GA063SC
Auxiliary contacts
GAX1011C



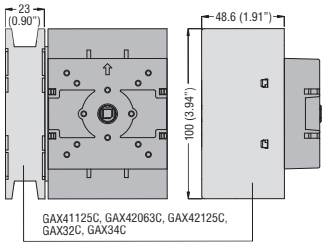
Fourth pole **GAX41040C - GAX42040C and GAX42063SC**
Neutral **GAX31C** -
earth/ground **GAX33C** terminals



For GA030C, GA063C...GA160C
Auxiliary contacts
GAX1011C



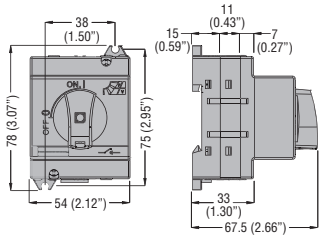
Fourth pole
GAX41125C - GAX42063C...GAX42160C
Neutral **GAX32C** -
earth/ground **GAX34C** terminals



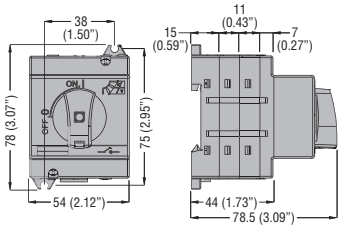
GD SERIES SWITCH DISCONNECTORS

Direct operating version

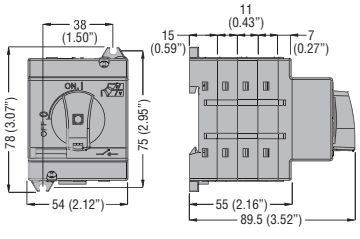
GD...AT2



GD...AT3

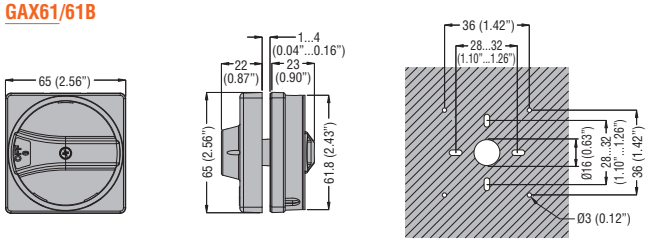


GD...AT4

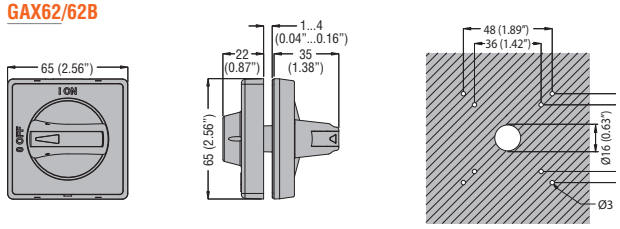


Handles

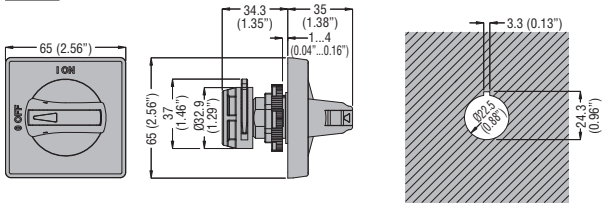
GAX61/61B



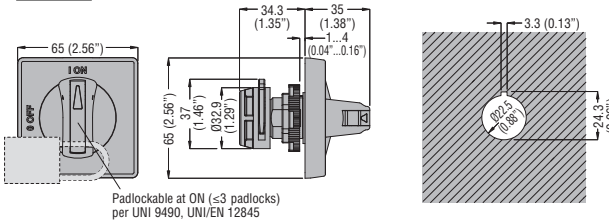
GAX62/62B



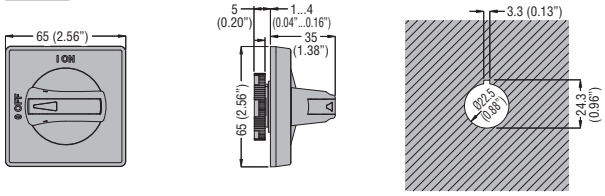
GAX63/63B/63K/63BK



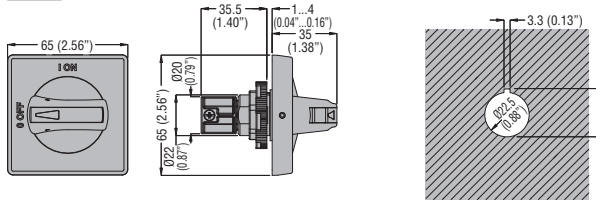
GAX631B



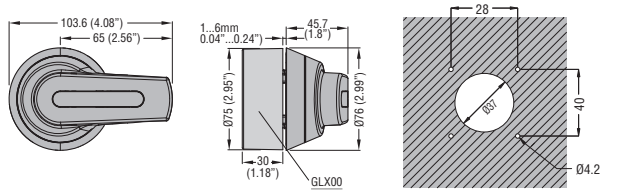
GAX632/2B



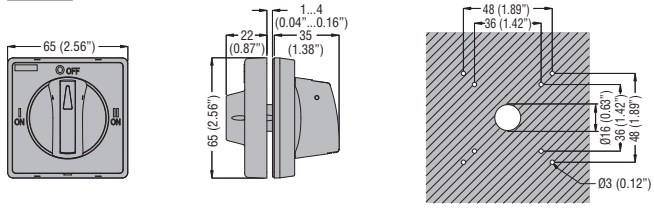
GAX64/64B



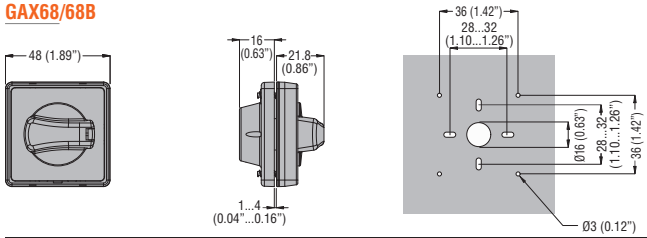
GAX66N/66NB



GAX67B

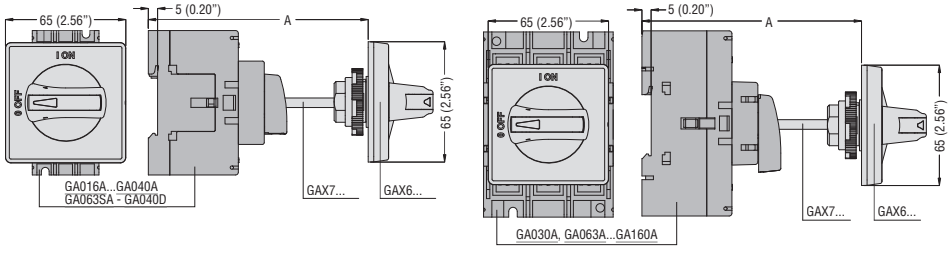


GAX68/68B



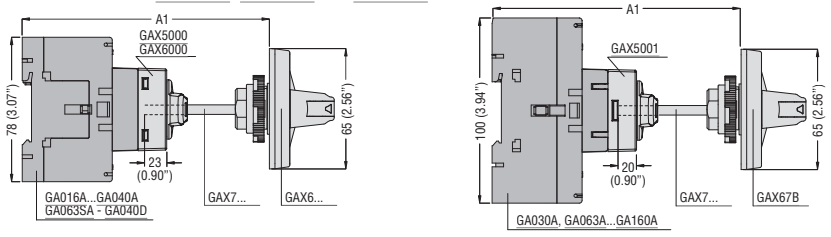
Shaft extensions for door coupling handles

GAX7...



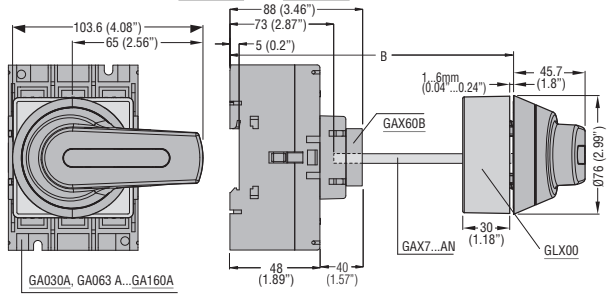
Extension	Length [mm (in)]	A [mm (in)] maximum Type of handle					
		GAX61...	GAX62...	GAX63...	GAX64...	GAX67 B	GAX68...
GAX7055	55 (2.16")	99 (3.90")	97 (3.82")	102 (4.01")	116 (4.57")	97 (3.82")	98.5 (3.88")
GAX7070	70 (2.75")	114 (4.49")	112 (4.41")	117 (4.61")	131 (5.16")	112 (4.41")	113.5 (4.47")
GAX7090	90 (3.54")	134 (5.27")	132 (5.20")	137 (5.39")	151 (5.94")	132 (5.20")	133.5 (5.25")
GAX7150	150 (5.90")	194 (7.64")	192 (7.56")	197 (7.75")	211 (8.31")	192 (7.56")	193.5 (7.62")
GAX7200	200 (7.87")	244 (9.61")	242 (9.53")	247 (9.72")	261 (10.27")	242 (9.53")	243.5 (9.59")
GAX7300	300 (11.81")	344 (13.54")	342 (13.46")	347 (13.66")	361 (14.21")	342 (13.46")	343.5 (13.52")
GAX7400	400 (15.75")	444 (17.48")	442 (17.40")	447 (17.60")	461 (18.15")	442 (17.40")	443.5 (17.46")
GAX7500	500 (19.68")	544 (21.42")	542 (21.34")	547 (21.53")	561 (22.09")	542 (21.34")	543.5 (21.40")

GAX7... used with GAX5000, GAX5001 and GAX6000

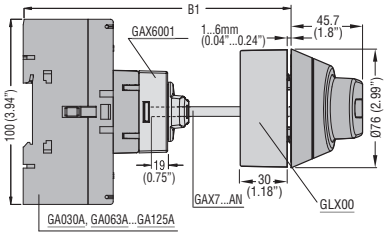


Extension	Length [mm (in)]	A1 [mm (in)] maximum Used with GAX6000 Type of handle					Used with GAX5000/GAX5001
		GAX61...	GAX62...	GAX63...	GAX64...	GAX68...	GAX67B
GAX7055	55 (2.16")	116 (4.57")	114 (4.49")	119 (4.68")	133 (5.24")	115.5 (4.55")	114 (4.49")
GAX7070	70 (2.75")	131 (5.16")	129 (5.08")	134 (5.27")	148 (5.83")	130.5 (5.14")	129 (5.08")
GAX7090	90 (3.54")	151 (5.94")	149 (5.87")	154 (6.06")	168 (6.61")	150.5 (5.92")	149 (5.87")
GAX7150	150 (5.90")	211 (8.31")	209 (8.23")	214 (8.42")	228 (8.98")	210.5 (8.29")	209 (8.23")
GAX7200	200 (7.87")	261 (10.27")	259 (10.20")	264 (10.39")	278 (10.94")	260.5 (10.25")	259 (10.20")
GAX7300	300 (11.81")	361 (14.21")	359 (14.13")	364 (14.33)	378 (14.88")	360.5 (14.20")	359 (14.13")
GAX7400	400 (15.75")	461 (18.15")	459 (18.07")	464 (18.27")	468 (18.42")	460.5 (18.13")	459 (18.07")
GAX7500	500 (19.68")	561 (22.09")	559 (22.01")	564 (22.20")	578 (22.75")	560.5 (22.07")	559 (22.01")

GAX7...AN used with GAX60B and GAX66N/66NB



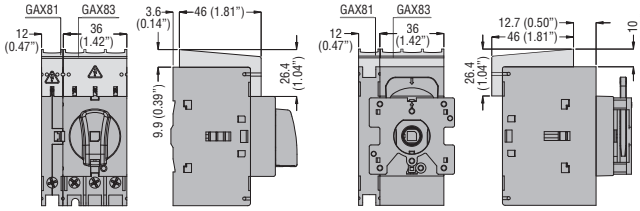
GAX7...AN used with GAX6001 and GAX66N/66NB



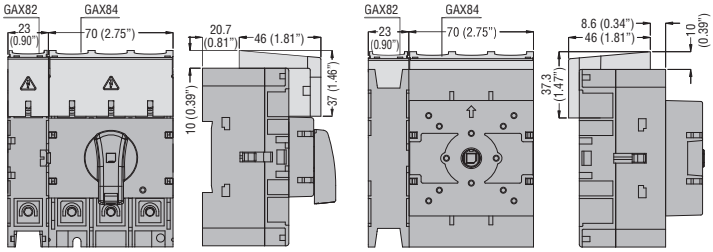
Extension	Length	B	B1
		with GAX66N/66NB handle	
	[mm(in)]	[mm(in)]	[mm(in)]
GAX7150AN	178 (7.00")	120...226 (4.72"...9.00")	120...223 (4.72"...8.80")
GAX7200AN	228 (8.98")	120...276 (4.72"...10.87")	120...273 (4.72"...10.75")
GAX7300AN	328 (12.91")	120...376 (4.72"...14.80")	120...373 (4.72"...14.68")
GAX7400AN	428 (16.85")	120...476 (4.72"...18.74")	120...473 (4.72"...18.62")
GAX7500AN	528 (20.79")	120...576 (4.72"...22.68")	120...573 (4.72"...25.56")

Terminal covers

GAX81 - GAX83

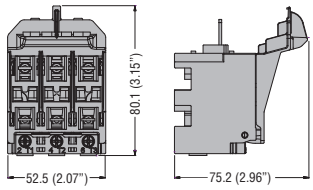


GAX82 - GAX84



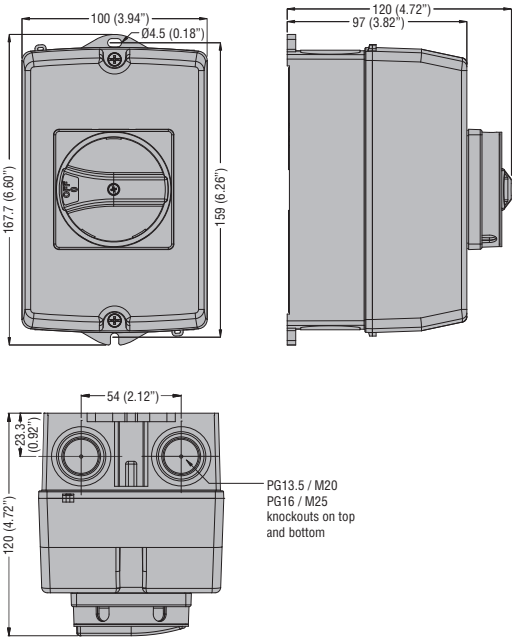
Fuse holder

GAX391 - GAX391UL

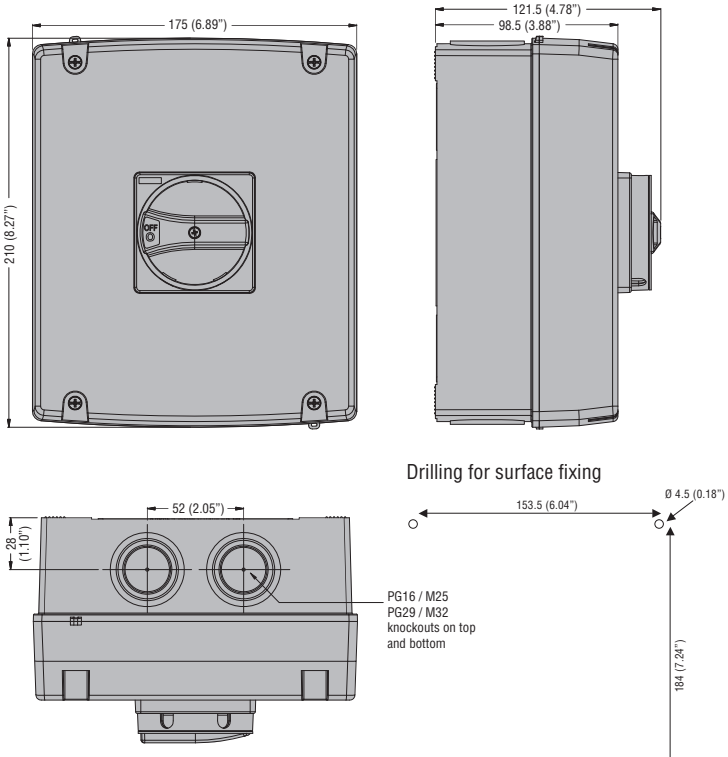


ENCLOSED SWITCH DISCONNECTORS AND EMPTY ENCLOSURES

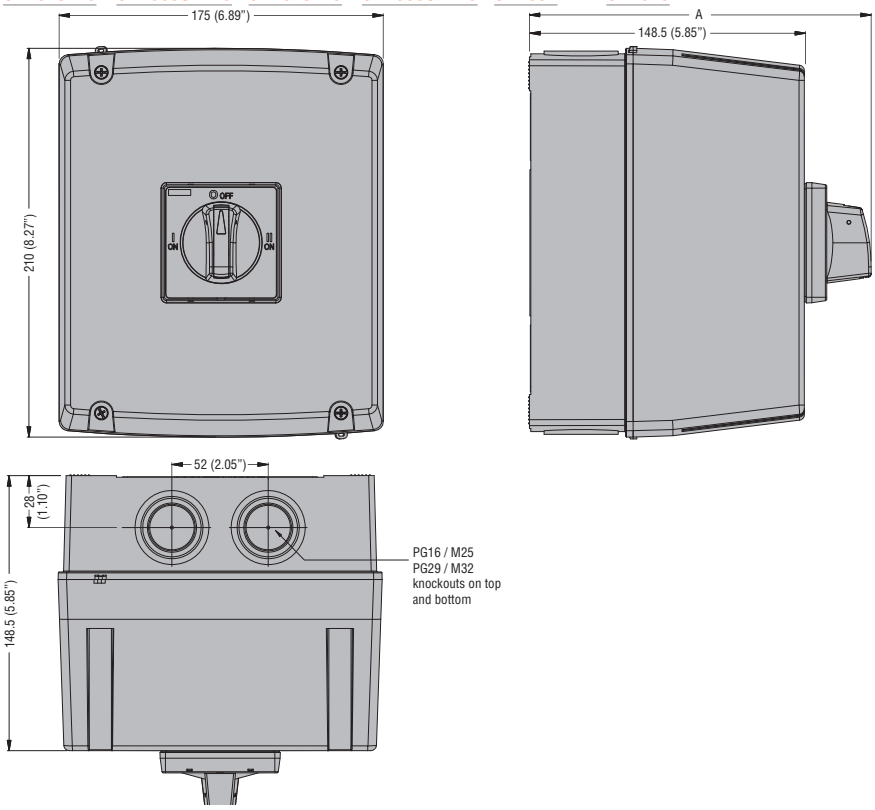
GAZ016...GAZ040...
GAZ016...GAZ040...UL
GAZ1... - GAZ1...UL
GAZ025D...



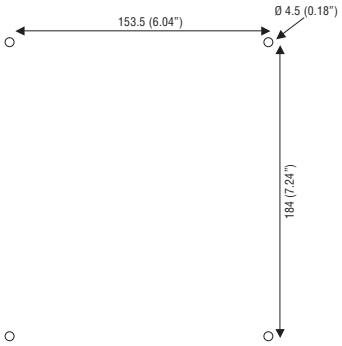
GAZ063SA...GAZ100C...
GAZ063SAUL...
GAZ2... - GAZ2...UL



GAZ025ET6...GAZ063SAET6 - GAZ025ET8...GAZ063SAET8 - GAZ032D... - GAZ040D...

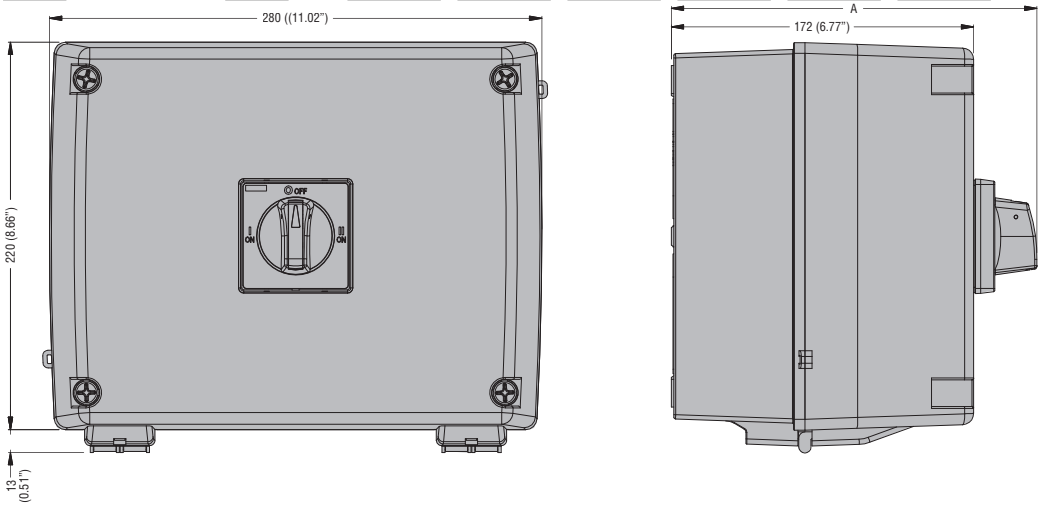


Drilling



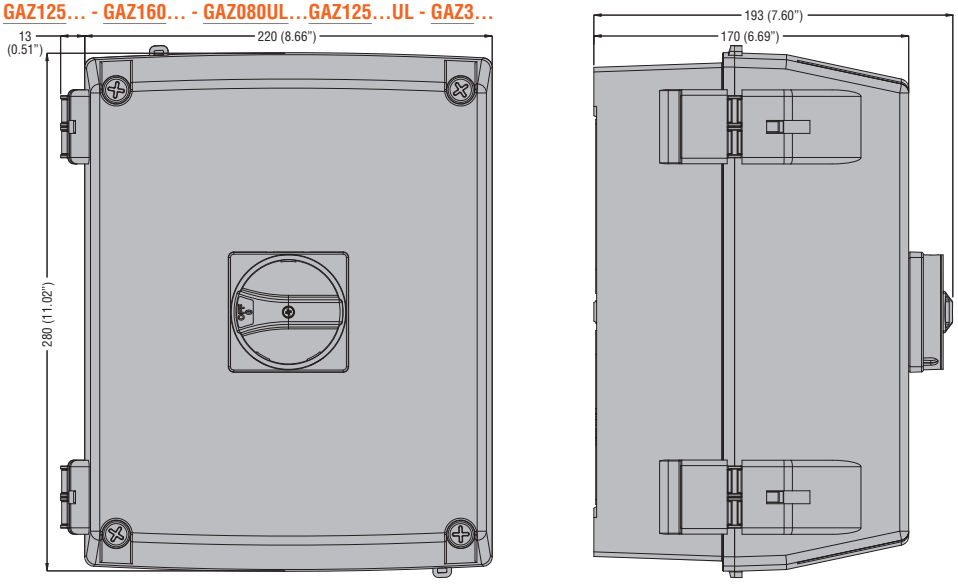
Type	A
GAZ032D...	171.5 (6.75")
GAZ040D...	171.5 (6.75")
GAZ025ET...	183.5 (7.22")
GAZ063SAET...	183.5 (7.22")

GAZ125... - GAZ063...UL - GAZ125...UL - GAZ080ET6 - GAZ125ET6 - GAZ160ET6 - GAZ080ET8 - GAZ125ET8 - GAZ160ET8

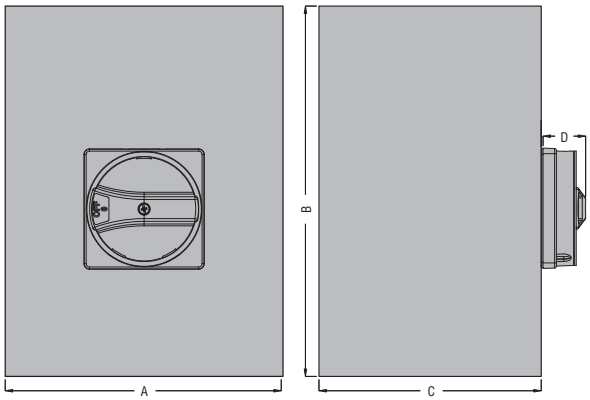


Type	A
GAZ125	193 (7.60")
GAZ063...UL	193 (7.60")
GAZ125...UL	193 (7.60")
GAZ080ET6	208 (8.19")
GAZ125ET6	208 (8.19")
GAZ160ET6	208 (8.19")
GAZ080ET8	208 (8.19")
GAZ125ET8	208 (8.19")
GAZ160ET8	208 (8.19")

GAZ125... - GAZ160... - GAZ080UL...GAZ125...UL - GAZ3...

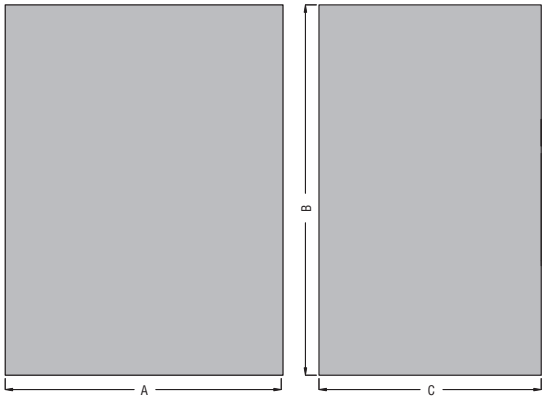


SWITCH DISCONNECTORS AND CHANGEOVER SWITCHES IN METAL AND STAINLESS STEEL AISI 304 ENCLOSURES



Type	A	B	C	D
GAZM016...GAZM100...	150 (5.90")	200 (7.87")	120 (4.72")	23 (0.90")
GAZM125...GAZM160...	200 (7.87")	300 (11.81")	120 (4.72")	23 (0.90")
GAZM016E...GAZM063SAE...	150 (5.90")	200 (7.87")	120 (4.72")	35 (1.38")
GAZM063ET6...GAZM160ET6...	200 (7.87")	300 (11.81")	120 (4.72")	35 (1.38")
GAZM063ET8...GAZM160ET8...	300 (11.81")	400 (15.75")	120 (4.72")	35 (1.38")
GAZS016...GAZS100...	150 (5.90")	200 (7.87")	120 (4.72")	23 (0.90")
GLZM0160...GLZM0315...	300 (11.81")	400 (15.75")	250 (9.84")	45.7 (1.80")
GLZM0160E...GLZM0315E...	300 (11.81")	400 (15.75")	250 (9.84")	45.7 (1.80")

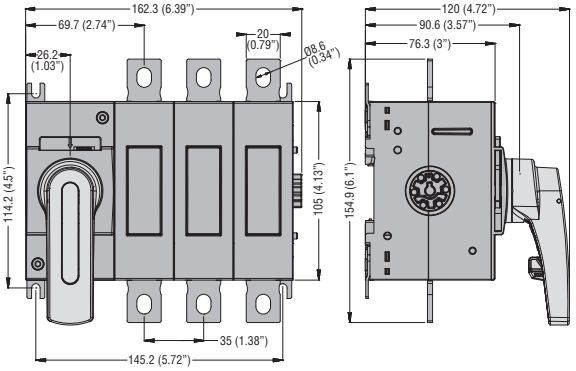
EMPTY METAL ENCLOSURES



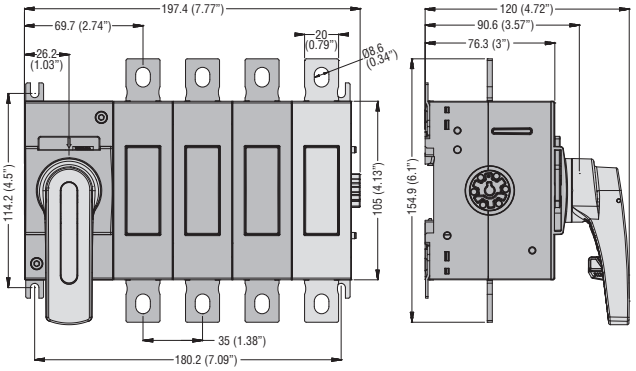
Type	A	B	C
GAZM1	150 (5.90")	200 (7.87")	120 (4.72")
GAZM2	200 (7.87")	300 (11.81")	120 (4.72")
GAZM3	300 (11.81")	400 (15.75")	120 (4.72")
GAZS1	150 (5.90")	200 (7.87")	120 (4.72")
GLZM1	300 (11.81")	400 (15.75")	250 (9.84")

GL SERIES 100A TO 630A SWITCH DISCONNECTORS

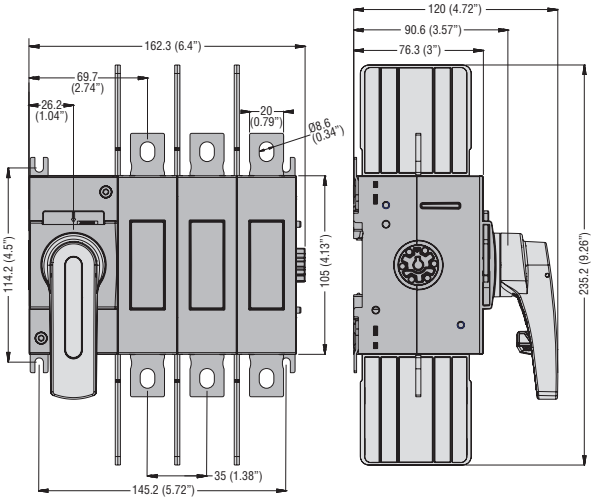
GL0160C1...GL0315C1



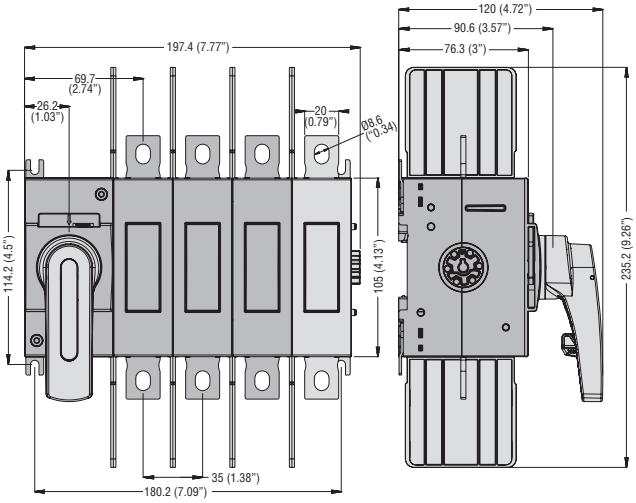
GL0160C1...GL0315C1 with add-on fourth pole GLX420315



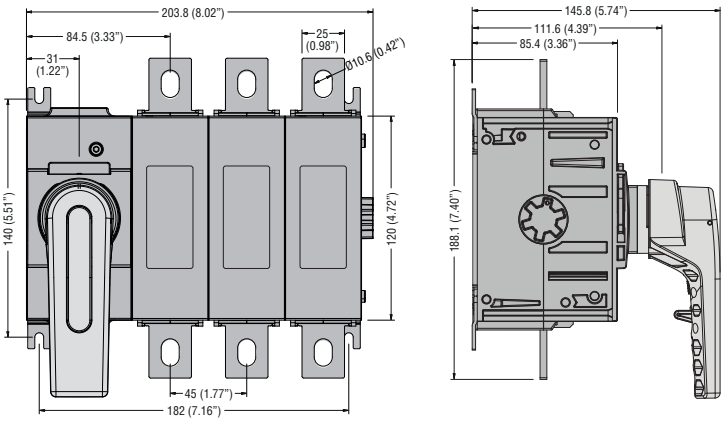
GL0100C1UL - GL0200C1UL



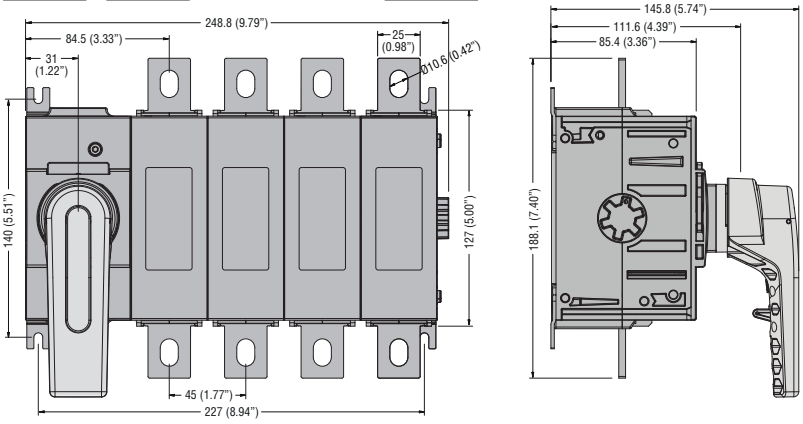
GL0100C1UL - GL0200C1UL with add-on fourth pole GLX420100UL - GLX420200UL



GL0320C1...GL0500C1

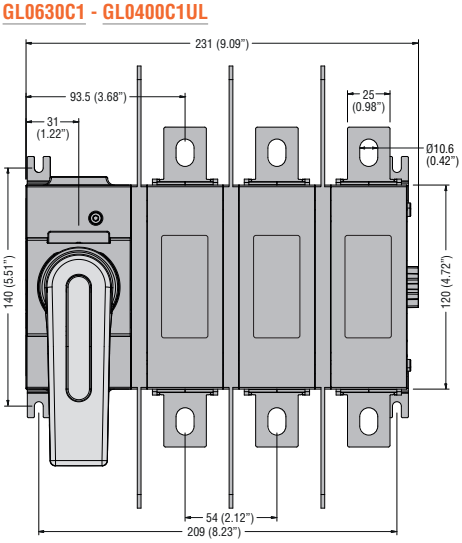


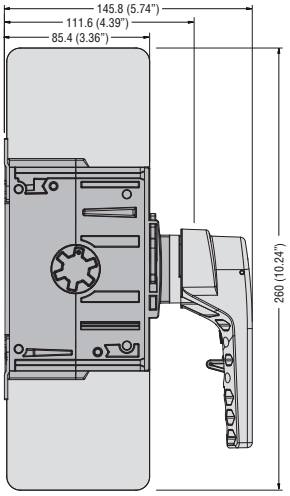
GL0320C1...GL0500C1 with add-on fourth pole GLX420320...0500



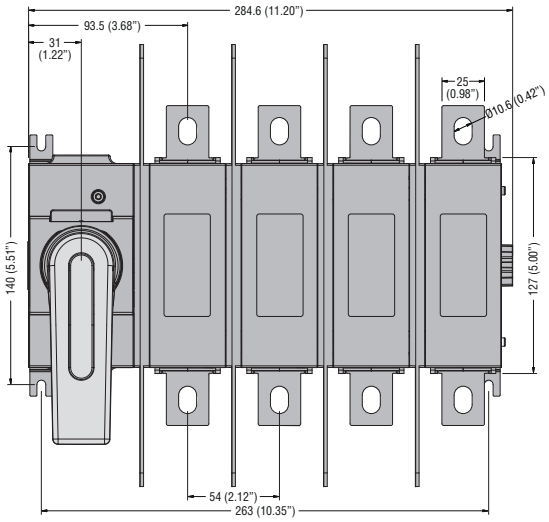
12

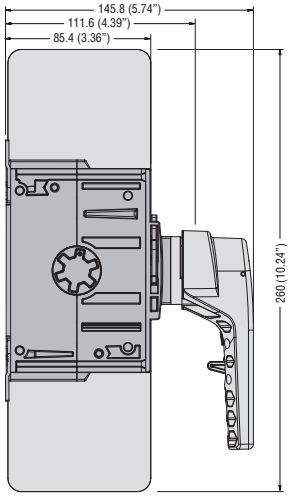
GL0630C1 - GL0400C1UL



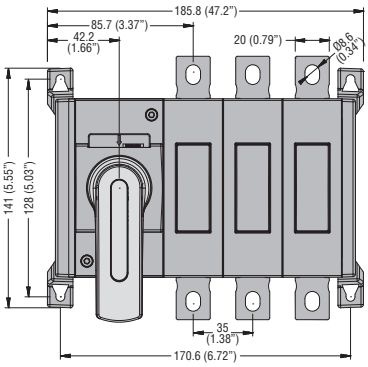


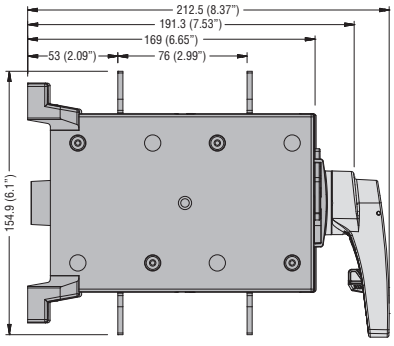
GL0630C1 - GL0400C1UL with add-on fourth pole GLX420630 - GLX420400UL



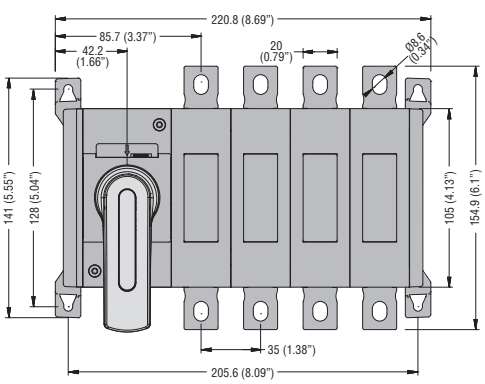


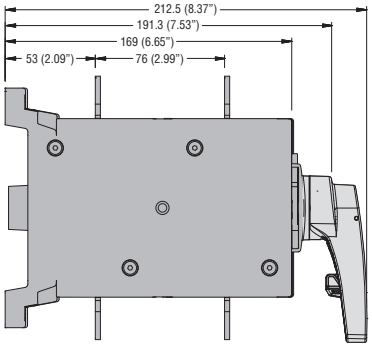
GLC0160C1...GLC0315C1



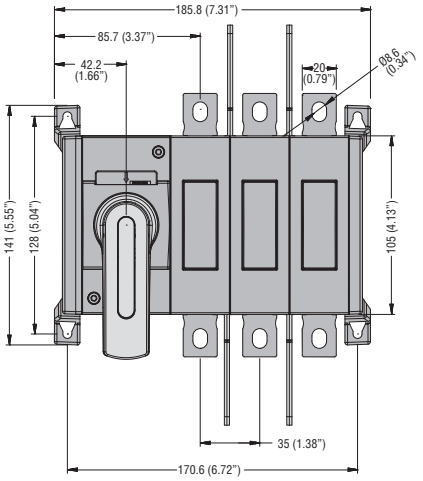


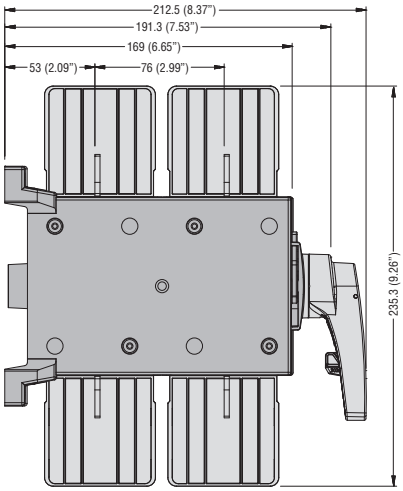
GLC0160T4C1...GLC0315T4C1



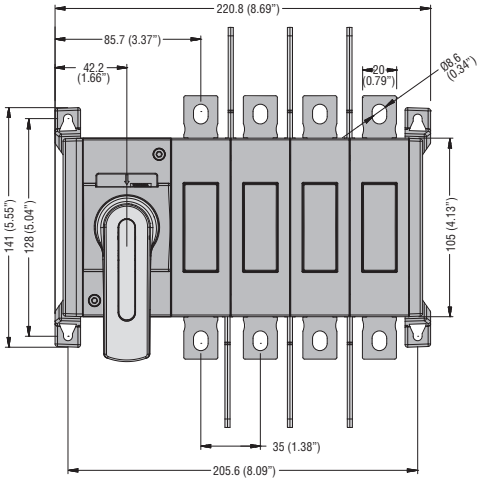


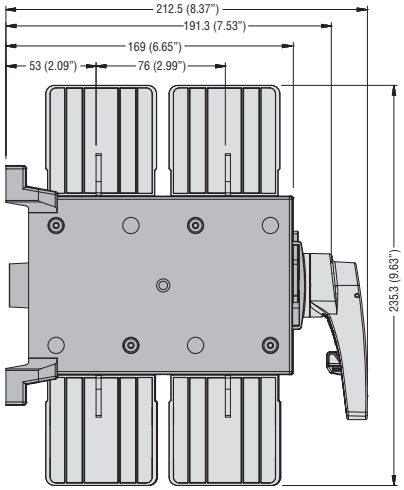
GLC0100C1UL - GLC0200C1UL



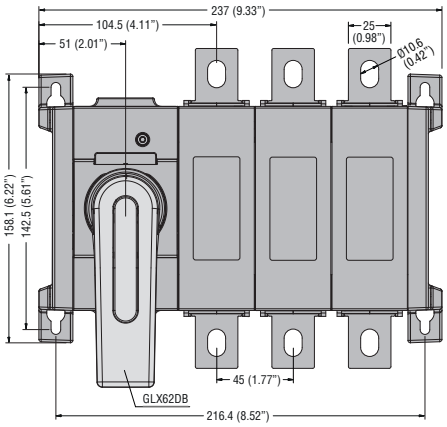


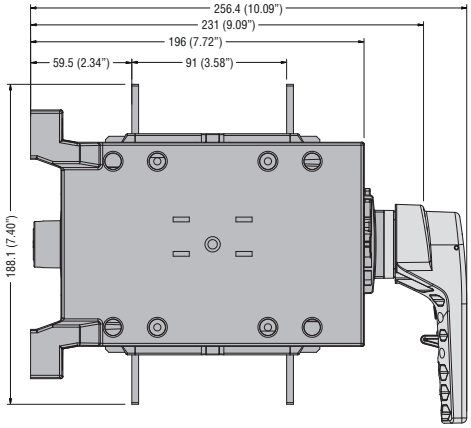
GLC0100T4C1UL - GLC0200T4C1UL



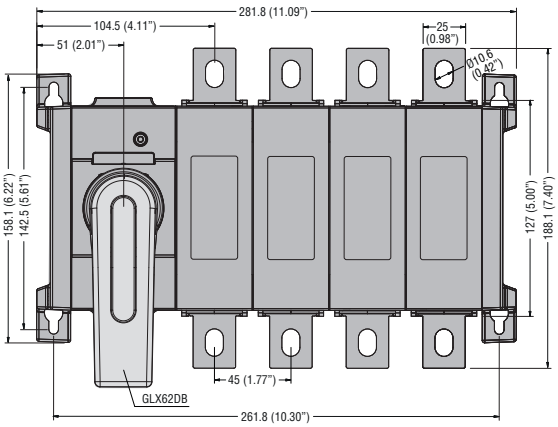


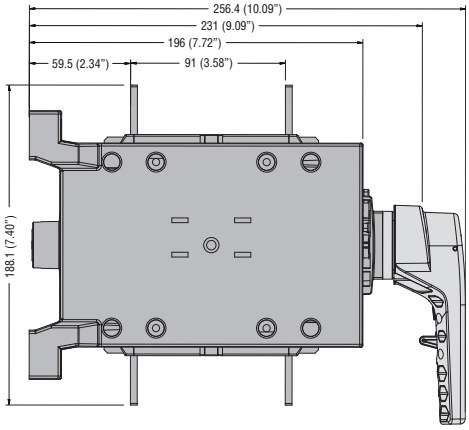
GLC0320C1...GLC0500C1



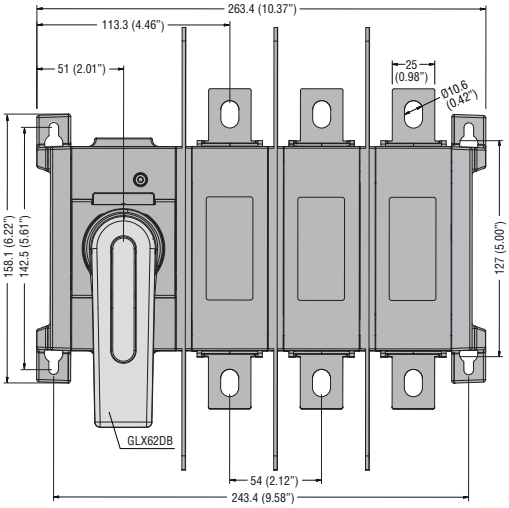


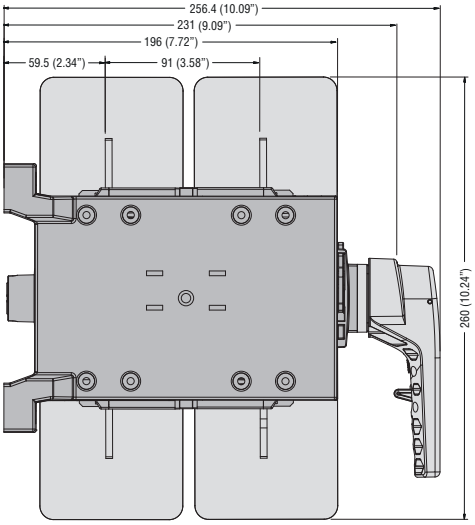
GLC0320T4C1...GLC0500T4C1



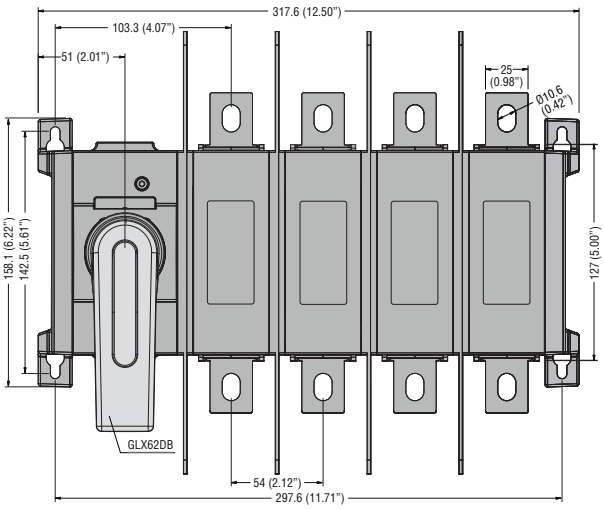


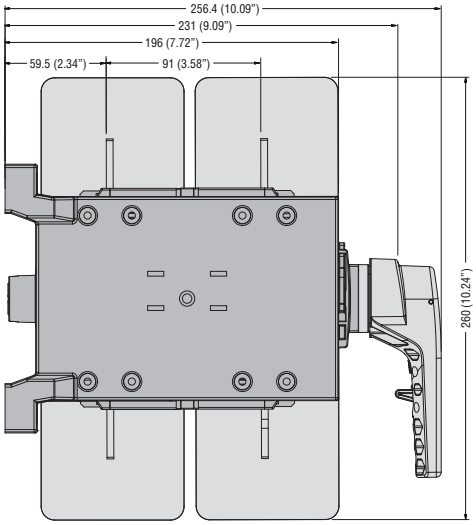
GLC0630C1 - GLC0400C1UL



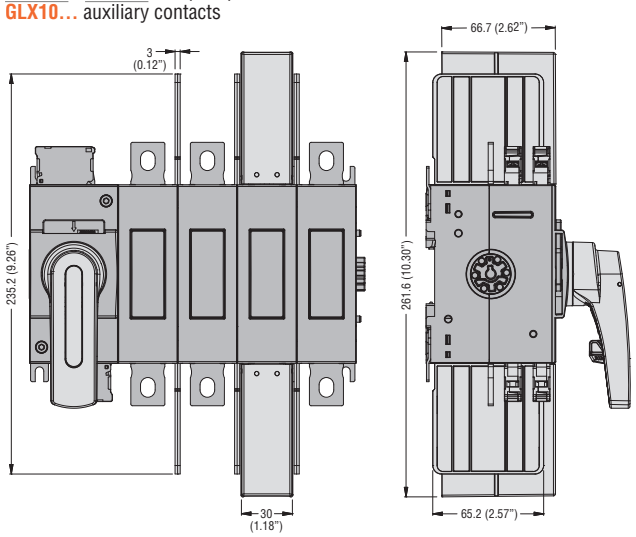


GLC0630T4C1 - GLC0400T4C1UL

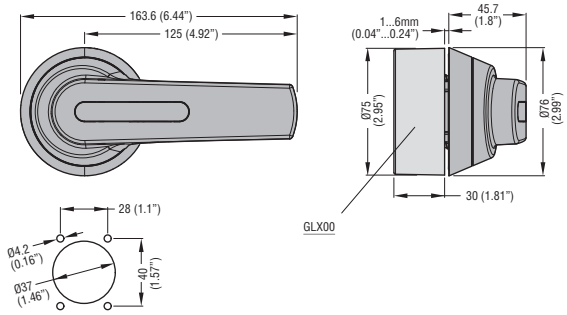




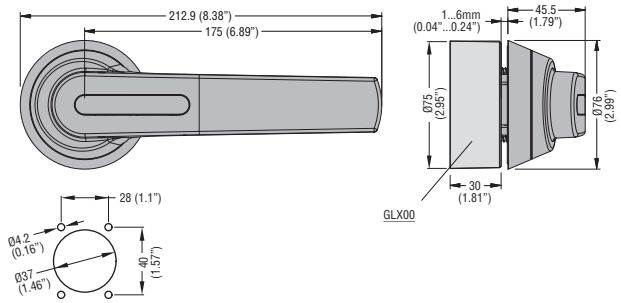
GLX800 - GLX801 terminal covers
GLX900 - GLX901 one-pole phase barrier
GLX10... auxiliary contacts



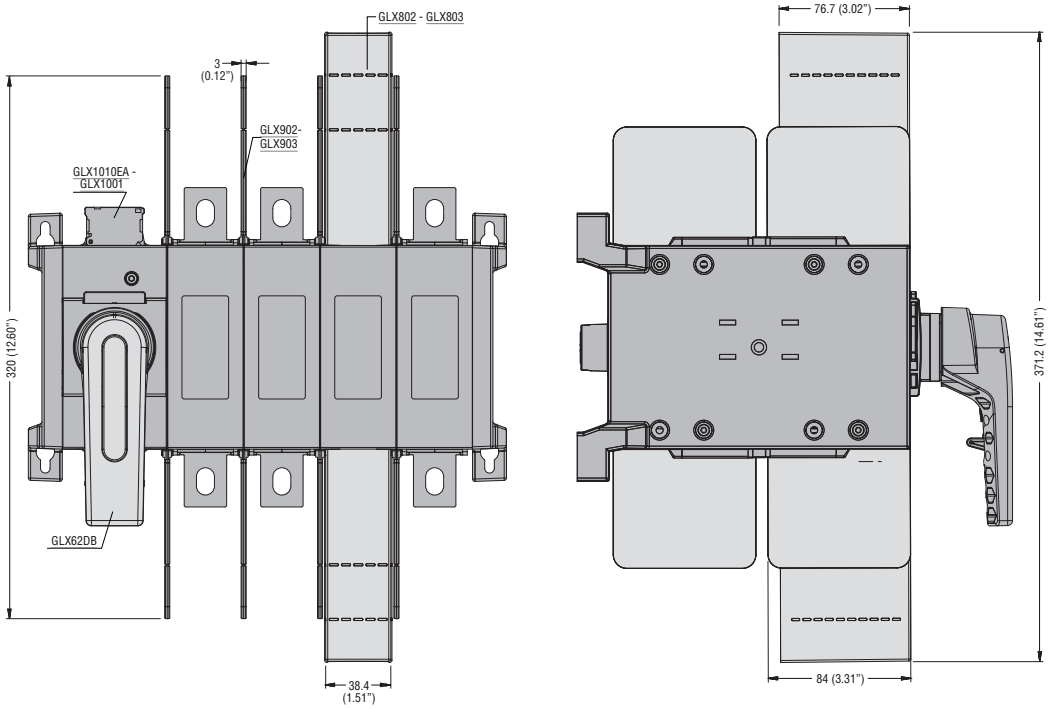
GLX61 - GLX61B - GLX61CB handles



GLX62 - GLX62B - GLX62CB handles

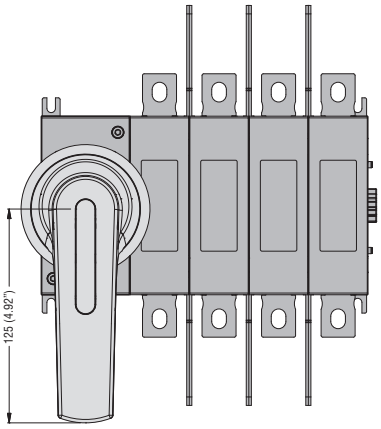


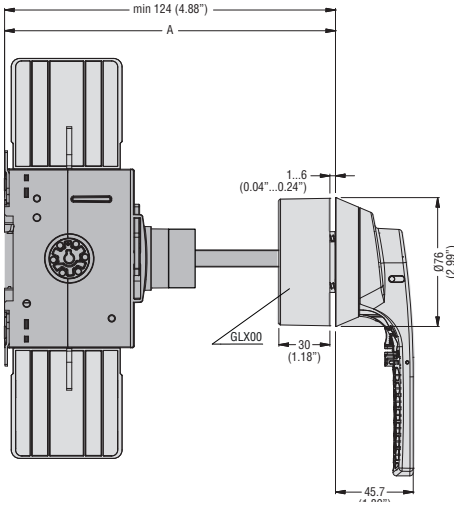
GLX802 - GLX803 terminal covers
GLX902 - GLX903 one-pole phase barrier
GLX10... auxiliary contacts



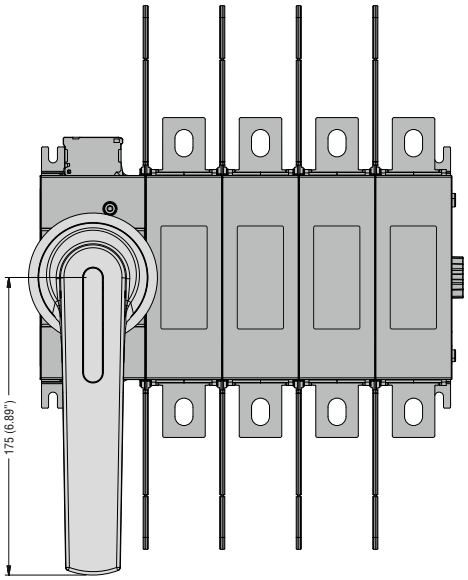
12

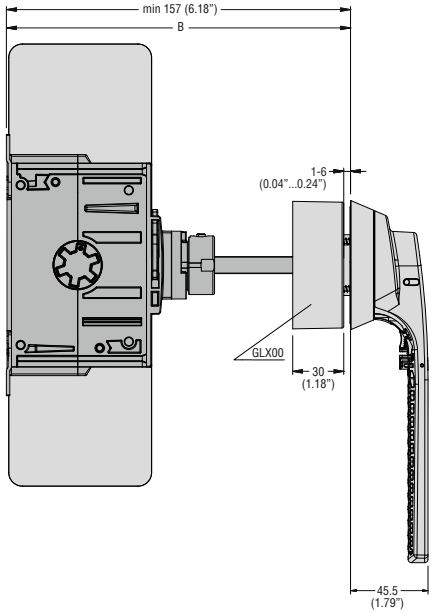
GLX7... shaft extensions for door coupling handles
GLX00 shaft alignment ring





GLX7...S10	A mm (in)	
	min	max
GLX7150S10	124	194 (4.88...7.64")
GLX7200S10	124	244 (4.88...9.61")
GLX7300S10	124	344 (4.88...13.54")
GLX7400S10	124	444 (4.88...17.48")
GLX7500S10	124	544 (4.88...21.42")

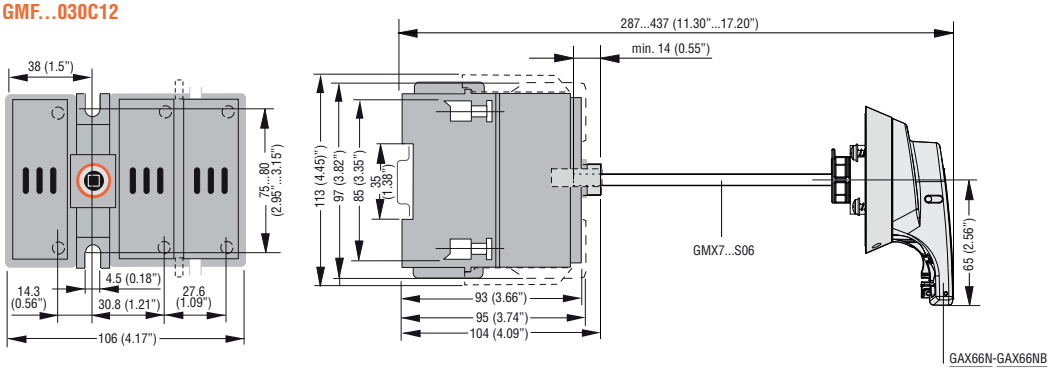




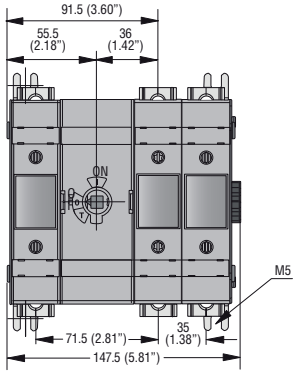
GLX7...S10	B mm (in)	
	min	max
GLX7150S10	157	227 (6.18...8.94")
GLX7200S10	157	277 (6.18...10.90")
GLX7300S10	157	377 (6.18...14.84")
GLX7400S10	157	477 (6.18...18.78")
GLX7500S10	157	577 (6.18...22.72")

GM SERIES 30A TO 800A SWITCH DISCONNECTORS

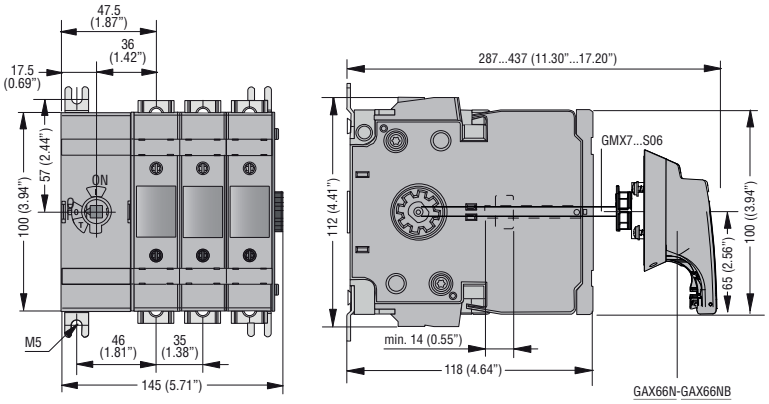
GMF...030C12



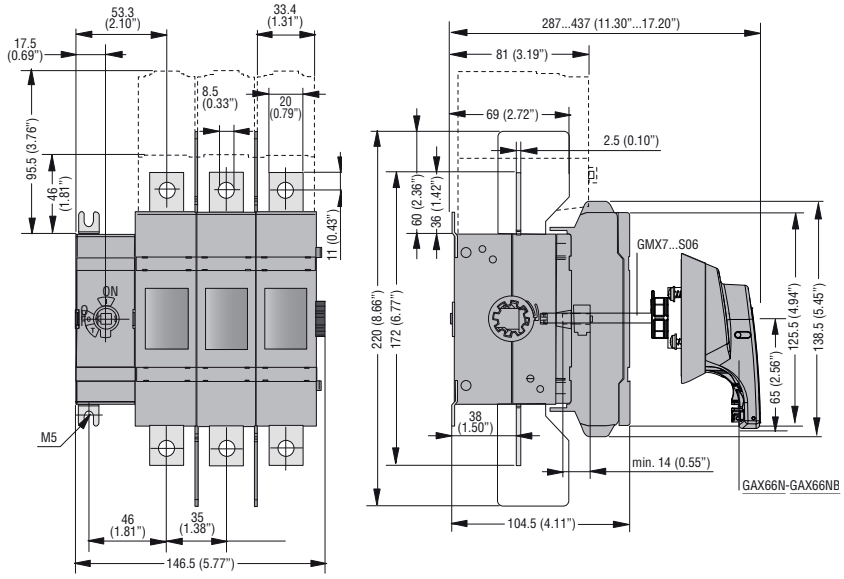
GMFJ060C12



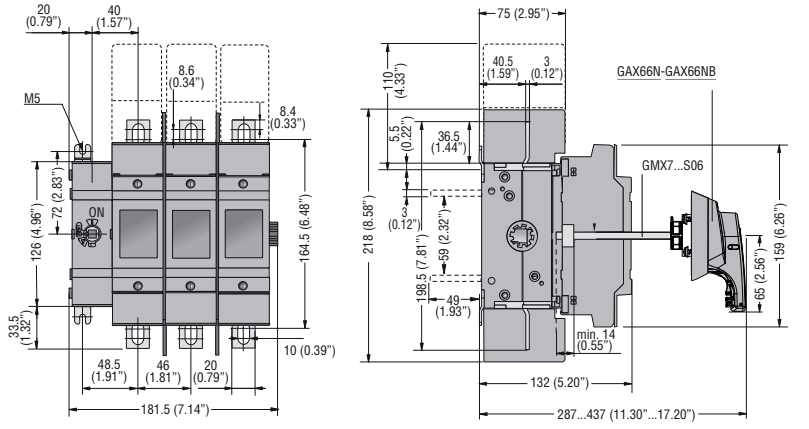
GMFJ060C03



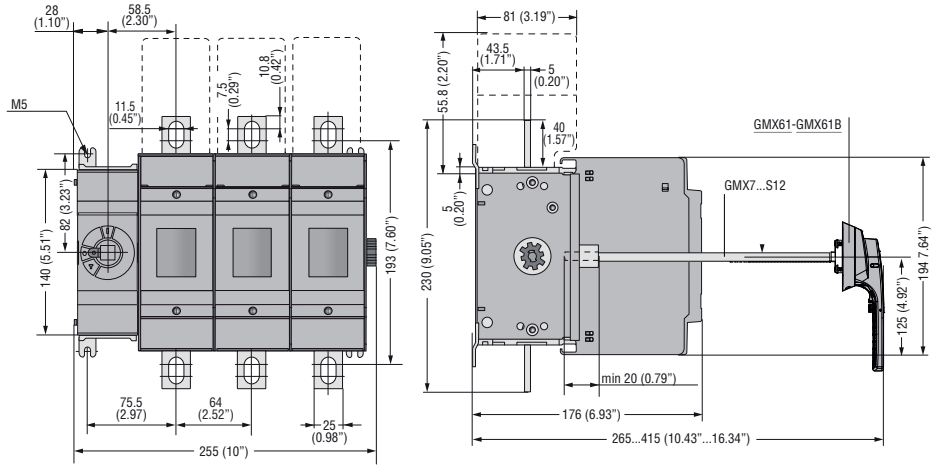
GMFJ100C03



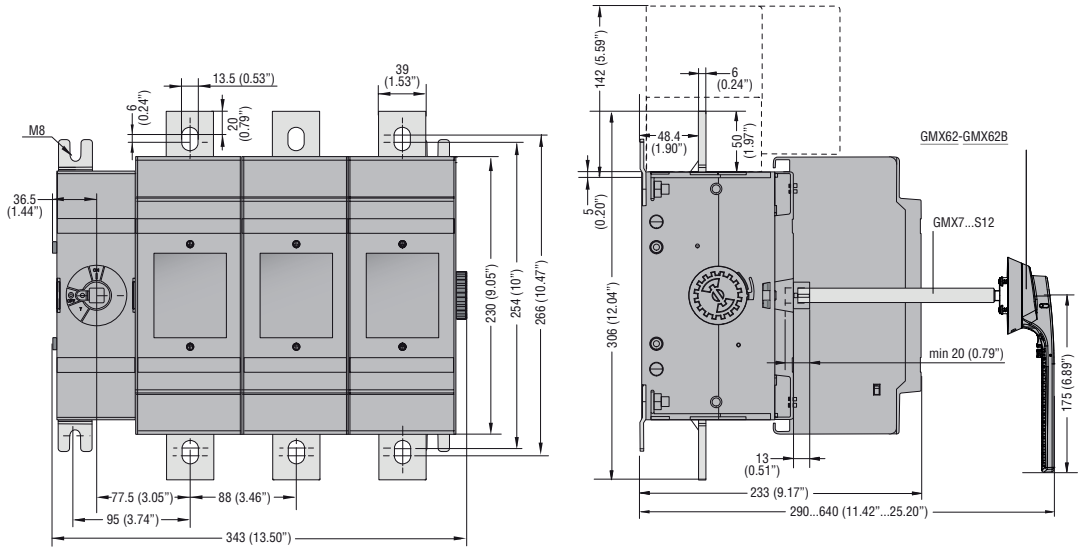
GMFJ200C03



GMFJ400C03

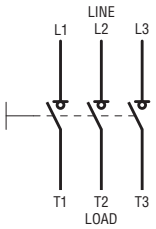


GMFJ600C03 - GMFL800C03



OPEN AND ENCLOSED GA SERIES 16A TO 160A SWITCH DISCONNECTORS

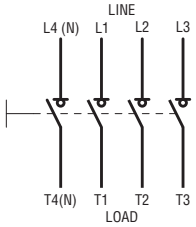
Three-pole disconnectors
GA016…GA160A…/C
GAZ016…GAZ160/B
GAZ016UL…GAZ125UL
GAZM016…GAZM160/B
GAZS016…GAZS100/B



Fourth pole
GAX42…

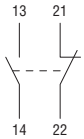
GAX41…

Four-pole disconnectors
GAZ016T4…GAZ160T4/B
GAZ016T4UL…GAZ125T4UL
GAZM016T4…GAZM160T4/B



ADD-ON BLOCKS AND ACCESSORIES

Auxiliary contacts
GAX10…

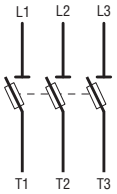


GAX11… - GAX12…

Neutral terminal
GAX31… - GAX32…

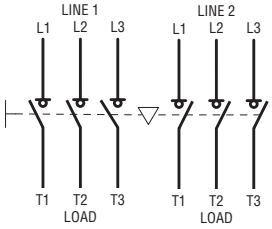
Earth/Ground terminal
GAX33… - GAX34…

Fuse holder
GAX391 - GAX391UL

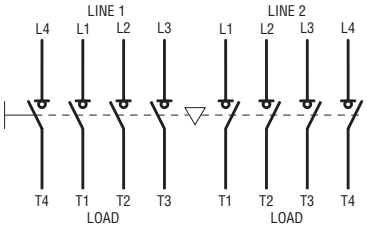


ENCLOSED AND ASSEMBLED CHANGEOVER SWITCHES

Three-pole **GA…ET6**

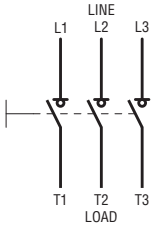


Four-pole **GA…ET8**



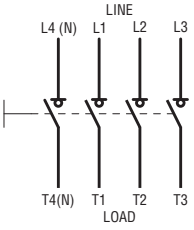
OPEN AND ENCLOSED GL SERIES 100 TO 630A SWITCH DISCONNECTORS

Three-pole
GL0160…GL0630…
GLZM0160…GLZM0315/B



Fourth pole
GLX42…

Four-pole
GLZM0160T4…GLZM0315T4/B



ADD-ON BLOCKS AND ACCESSORIES

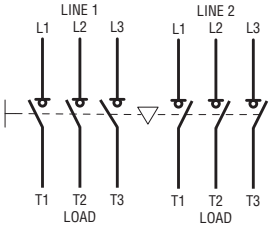
Auxiliary contacts
GLX1010EA GLX1001

Neutral terminal
GLX300 - GLX302

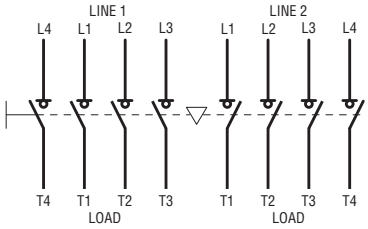
Earth/Ground terminal
GLX301 - GLX303

OPEN AND ENCLOSED GL SERIES 100 TO 630A CHANGEOVER SWITCHES

Three-pole
GLC...C1
GLZM...ET6

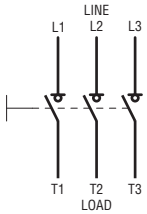


Four-pole
GLC...T4C1
GLZM...ET8

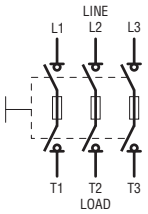


GE SERIES 50A TO 1600A SWITCH DISCONNECTORS

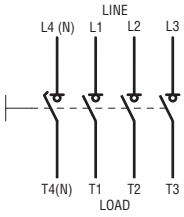
Three-pole
GE0160 - GE1600
GE0160P



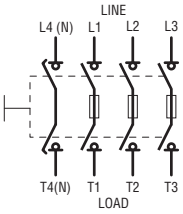
Three-pole with fuse holder
GE0050F - GE0125F
GE0160N - GE0800N
GE0160B - GE0800B



Four-pole
GE0160T4 - GE1600T4
GE0160T4P

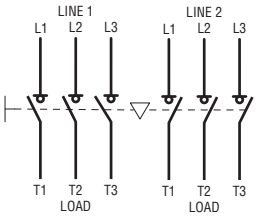


Four-pole with fuse holder
GE0050FT4 - GE0125FT4
GE0160NT4 - GE0800NT4
GE0160BT4 - GE0800BT4

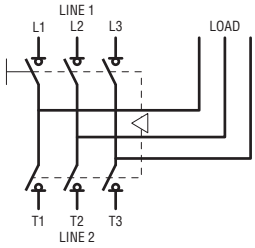


GE SERIES 160 TO 1600A CHANGEOVER SWITCHES

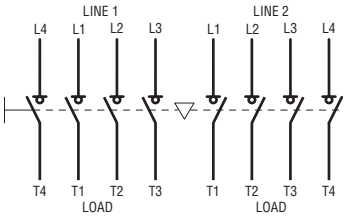
Three-pole
GE0160E - GE0200E - GE1600...3150E



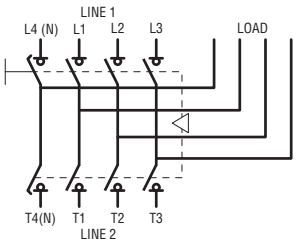
GE0201E...GE1250E



Four-pole
GE0160ET4 - GE0200ET4 - GE1600...3150ET4

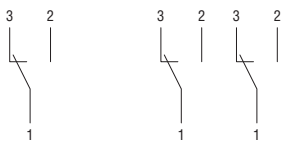


GE0201ET4...GE1250ET4

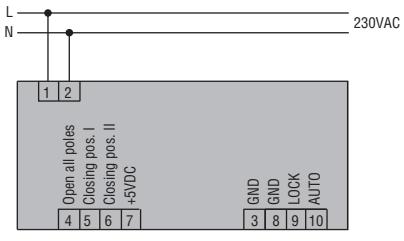


ADD-ON BLOCKS AND ACCESSORIES

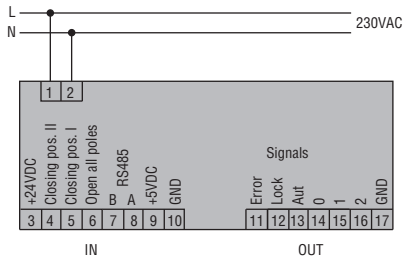
Auxiliary contacts
GEX1011... GEX1022...



Motorised control unit
GEX690C - GEX691C - GEX692C

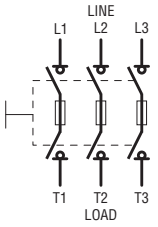


Motorised control unit
GEX693C - GEX694C



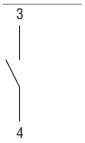
GM SERIES 30A TO 800A SWITCH DISCONNECTORS

GM...030...GM...800

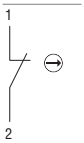


Auxiliary contacts

GMX1010



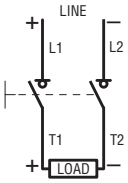
GMX1001



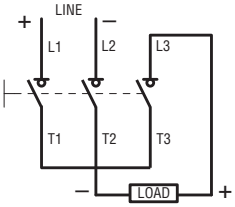
GMX1011

SWITCH DISCONNECTORS FOR PHOTOVOLTAIC APPLICATIONS **GA...D** (poles in series to wire)

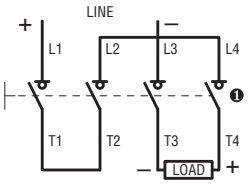
One-line control
2 poles in series



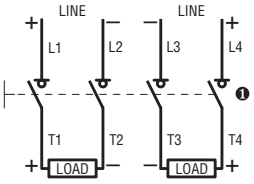
3 poles in series



4 poles in series



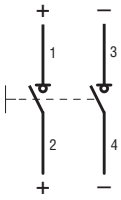
Two-lines control
2+2 poles in series



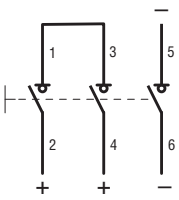
❶ The positive pole fitted on the right side of the disconnector can also be fitted on the left side; the connections must be changed in consequence.

SWITCH DISCONNECTORS FOR PHOTOVOLTAIC APPLICATIONS **GD...**
(jumpers supplied as standard)

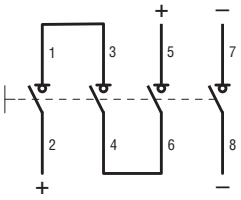
One-line control
GD...AT2



GD...AT3

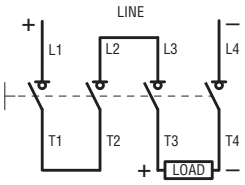


GD...AT4

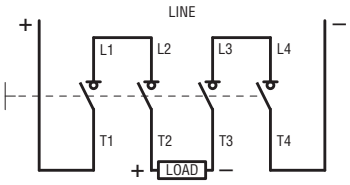


SWITCH DISCONNECTORS FOR PHOTOVOLTAIC APPLICATIONS **GE...DT4**
(poles in series to wire)

One-line control
4 poles in series



4 (2+2) poles in series



TECHNICAL DATA ACCORDING TO IEC/EN/BS 60947 RATINGS

TYPE	3-pole	GA016…	GA025…	GA032…	GA040…	GA063S…	GA030…	GA063…	GA080…	GA100…	GA125…	GA160…
	4-pole	GAX4…040…				GAX4…063S…	GAX4…063…		GAX4…080…	GAX4…100…	GAX4…125…	GAX4…160…
CONTACT CHARACTERISTICS												
IEC conventional free air thermal current Ith (≤40°C)	A	16	25	32	40	63	30	63	80	100	125	160
IEC rated insulation voltage Ui	V	1000										
IEC rated impulse withstand voltage Uimp	kV	8										
IEC rated operational current Ie												
AC21A 400V	A	16	25	32	40	63	30	63	80	100	125	160
AC21A 500V	A	16	25	32	40	63	30	63	80	100	125	160
AC21A 690V	A	16	25	32	40	63	30	63	80	100	125	160
AC22A 400V	A	16	25	32	40	45	30	63	80	100	125	125
AC22A 500V	A	16	25	32	40	45	30	63	80	100	125	125
AC22A 690V	A	16	25	32	40	45	30	63	80	100	125	125
AC23A 400V	A	16	25	32	40	45	30	63	80	100	125	125
AC23A 500V	A	16	25	25	25	25	30	63	63	80	100	100
AC23A 690V	A	16	25	25	25	25	30	63	47	47	47	47
Power dissipation	W/pole	0.2	0.4	0.6	1	2.9	0.4	1.6	2.6	4	6.3	12
IEC rated operational power AC23A 400V	kW	7.5	11	15	18.5	22	15	30	45	55	55	55
IEC rated operational power AC23A 690V	kW	11	22	22	22	22	30	45	45	45	45	45
IEC reactive power for control of capacitors 400V	kvar	7.5	10	12.5	15	15	12.5	25	30	40	50	50
SHORT CIRCUIT PROTECTION												
Conditional short-circuit current❶	kA rms	10					50					
With fuse class gG	A	16	25	32	40	63	63	63	80	100	125	160
Making capacity AC23A 400V	A	160	250	320	400	450	300	630	800	1000	1250	1250
Breaking capacity AC23A 400V	A	128	200	256	320	360	240	504	640	800	1000	1000
Mechanical life	cycles	100,000					30,000					
Electrical life (AC21A)	cycles	100,000				15,000	30,000					1,000
Terminals	mm	Pillar terminal 5.6 x 6.5 - M4 Phillips 2					Pillar terminal 12.4 x 10.4 - M8 Metric Allen key 4					
Tightening torque	Nm	1.8...2					5...6					
	lb.in	16...18					45...54					
Conductor section min...max	mm^2	0.75...16					4...70					
	AWG	18...6					12...1					
AMBIENT CONDITIONS												
Temperature Operating	°C	-25...+55										
Temperature Storage	°C	-40...+70										
Maximum altitude	m	3000										
Mounting position Normal		Vertical										
Mounting position Admissible		Any										
Fixing		Screw or 35mm DIN rail (IEC/EN 60715)										

❶ For more details contact our Technical support; see contact details on inside front cover.

TECHNICAL DATA ACCORDING TO UL/CSA RATINGS

TYPE		GA016…	GA025…	GA032…	GA040…	GA063S…	GA030…	GA063…	GA080…	GA100…	GA125…	—
Compliance		UL60947-4-1; CSA C22.2 n°60947-4-1					UL98; CSA C22.2 n°4					—
General purpose current ratings	A	16	25	32	40	60	30	60	100	100	100	—
Max operating voltage	V	600										—
Horsepower ratings/motor FLA current three-phase 240V	HP/A	5/15.2	7.5/22	10/28	15/42	15/42	10/28	20/54	25/68	30/80	30/80	—
Horsepower ratings/motor FLA current three-phase 480V	HP/A	10/14	15/21	20/27	20/27	30/40	20/27	40/52	40/52	50/65	60/77	—
Horsepower ratings/motor FLA current three-phase 600V	HP/A	10/11	20/22	20/22	25/27	32/32	30/32	40/41	40/41	50/52	60/62	—
Short circuit ratings	KA rms	5					100❷					—
With fuse	class/A	RK5/30	RK5/30	RK5/35	RK5/45	RK5/45	J/60	J/60	J/100	J/100	J/100	—
Minimum enclosure dimensions at rated current	mm (in)	—					150 x 140 x 110 (5.90 x 5.51 x 4.33")					—

❷ Up to 480V with protection fuses type CC, J, or T (200A max).

TECHNICAL DATA ACCORDING TO IEC/EN/BS 60947

TYPE		3-pole	GL0160...	GL0200...	GL0250...	GL0315...	GL0320...	GL0400...	GL0500...	GL0630...
		4-pole	GLX420315				GLX420320	GLX420400	GLX420500	GLX420630
CONTACT CHARACTERISTICS										
IEC conventional free air thermal current Ith (≤40°C)		A	160	200	250	315	320	400	500	630
IEC rated insulation voltage Ui		V	1000				1000			
IEC rated impulse withstand Uimp		kV	12				12			
IEC rated operational current Ie										
AC21A	400V	A	160	200	250	315	320	400	500	630
	500V	A	160	200	250	315	320	400	500	630
	690V	A	160	200	250	315	320	400	500	630
AC22A	400V	A	160	200	250	315	320	400	500	630
	500V	A	160	200	250	315	320	400	500	500
	690V	A	160	200	250	315	320	400	500	500
AC23A	400V	A	160	200	250	315	320	400	500	630
	500V	A	160	200	250	250	320	400	500	500
	690V	A	160	200	250	250	320	400	500	500
Power dissipation		W/pole	3.2	4	6.5	6.5	20.8	26.0	32.5	41.0
IEC rated operational power										
AC23A	400V	kW	90	110	140	140	160	200	250	355
	690V	kW	144	200	250	250	315	400	500	500
IEC reactive power for control of capacitors 400V		kvar	80	100	115	145	145	180	200	250
SHORT CIRCUIT PROTECTION										
Rated short-time current (1s) Icw		kA rms	8				15			
Conditional short-circuit current		kA rms	100				80			
With fuse class gG		A	160	200	250	315	355	400	500	630
Making capacity AC23A 400V		A	1600	2000	2500	2500	3200	4000	5000	6300
Breaking capacity AC23A 400V		A	1280	1600	2000	2000	2560	3200	4000	5040
Mechanical life		cycles	20.000				10.000			
Terminal for busbars		mm	M8 x 20				M10 x 25			
Tightening torque		Nm	15...22				30...37			
		lb.in	132...194				265...327			
Conductor section min...max		mm^2	70...185				1 x 185...2 x 185❶			
		AWG/ Kcmil	00...400				1 x 400...2 x 350			
AMBIENT CONDITIONS										
Temperature	Operating	°C	-25...+55							
	Storage	°C	-40...+70							
Maximum altitude		m	3000							
Mounting position	Normal		Vertical							
	Admissible		Any							
Fixing			By screw. For GL0160...315 also on 35mm DIN rail (IEC/EN 60715)							

❶ For more details contact our Technical support; see contact details on inside front cover.

TECHNICAL DATA ACCORDING TO UL/CSA RATINGS

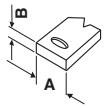
TYPE		3-pole	GL0100C1UL	GL0200C1UL	—	—	—	GL0400C1UL	—	—
		4-pole	GLX420100UL	GLX420200UL	—	—	—	GLX420400UL	—	—
Compliance			UL98 CSA C22.2 N°4	UL98 CSA C22.2 N°4	—	—	—	UL98 CSA C22.2 N°4	—	—
General purpose current ratings		A	100	200	—	—	—	400	—	—
Maximum operating voltage		V	600	600	—	—	—	600	—	—
Horsepower ratings /motor FLA current three-phase										
	240V	HP/A	30/80	75/192	—	—	—	125/312	—	—
	480V	HP/A	75/96	150/180	—	—	—	250/302	—	—
	600V	HP/A	100/99	200/192	—	—	—	350/336	—	—
Short circuit rating		KA rms	200	200	—	—	—	100	—	—
With fuse		class/A	J/100	J/200	—	—	—	J/400	—	—
Terminal kit lugs			GLX500-GLX501	GLX500-GLX501	—	—	—	GLX502-GLX503	—	—
Minimum enclosure dimensions at rated current		mm (in)	400 x 250 x 150 (15.8 x 9.9 x 5.9)	400 x 250 x 150 (15.8 x 9.9 x 5.9)	—	—	—	950 x 350 x 200 (37.4 x 13.8 x 7.9)	—	—

TECHNICAL DATA ACCORDING TO IEC/EN/BS 60947

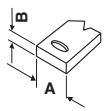
TYPE		3-pole	GLC0160...	GLC0200...	GLC0250...	GLC0315...	GLC0320...	GLC0400...	GLC0500...	GLC0630...
		4-pole	GLC0160T4...	GLC0200T4...	GLC0250T4...	GLC0315T4...	GLC0320T4...	GLC0400T4...	GLC0500T4...	GLC0630T4...
CONTACT CHARACTERISTICS										
IEC conventional free air thermal current Ith (≤40°C)		A	160	200	250	315	320	400	500	630
IEC rated insulation voltage Ui		V	1000				1000			
IEC rated impulse withstand Uimp		kV	12				12			
IEC rated operational current Ie										
AC31B	400V	A	160	200	250	315	320	400	500	630
	500V	A	160	200	250	315	320	400	500	630
	690V	A	160	200	250	315	320	400	500	630
AC32B	400V	A	160	200	250	315	320	400	500	630
	500V	A	160	200	250	315	320	400	500	500
	690V	A	160	200	250	315	320	400	500	500
AC33B	400V	A	160	200	250	315	320	400	500	630
	500V	A	160	200	250	250	320	400	500	500
	690V	A	160	200	250	250	320	400	500	500
Power dissipation		W/pole	3.2	4	6.5	6.5	20.8	26.0	32.5	41.0
IEC rated operational power										
AC23A	400V	kW	90	110	140	140	160	200	250	355
	690V	kW	144	200	250	250	315	400	500	500
IEC reactive power for control of capacitors 400V		kvar	80	100	115	145	145	180	200	250
SHORT CIRCUIT PROTECTION										
Rated short-time current (1s) Icw		kA rms	8				15			
Conditional short-circuit current		kA rms	100				80			
With fuse class gG		A	160	200	250	315	355	400	500	630
Making capacity AC23A 400V		A	1600	2000	2500	2500	3200	4000	5000	6300
Breaking capacity AC23A 400V		A	1280	1600	2000	2000	2560	3200	4000	5040
Mechanical life		cycles	20.000				10.000			
Terminal for busbars		mm	M8 x 20				M10 x 25			
Tightening torque		Nm	15...22				30...37			
		lb.in	132...194				265...327			
Conductor section min...max		mm^2	70...185				1 x 185...2 x 185			
		AWG/ Kcmil	00...400				1 x 400...2 x 350			
AMBIENT CONDITIONS										
Temperature	Operating	°C	-25...+55							
	Storage	°C	-40...+70							
Maximum altitude		m	3000							
Mounting position	Normal		Vertical							
	Admissible		Any							
Fixing			By screw							

TECHNICAL DATA ACCORDING TO UL/CSA RATINGS

TYPE			GLC0100...UL	GLC0200...UL	—	—	—	GLC0400...UL	—	—
Compliance			UL1008 CSA C22.2 N°4	UL1008 CSA C22.2 N°4	—	—	—	UL1008 CSA C22.2 N°4	—	—
General purpose current ratings		A	100	200	—	—	—	400	—	—
Maximum operating voltage		V	600	600	—	—	—	600	—	—
Horsepower ratings /motor FLA current three-phase										
	240V	HP/A	30/80	75/192	—	—	—	125/312	—	—
	480V	HP/A	50/65	150/180	—	—	—	250/302	—	—
	600V	HP/A	50/52	200/192	—	—	—	350/336	—	—
Short circuit ratings		KA rms	100	200	—	—	—	100	—	—
With fuse		class/A	J/100	J/200	—	—	—	J/400	—	—
Terminal kit lugs			GLX500-GLX501	GLX500-GLX501	—	—	—	GLX502-GLX503	—	—
Minimum enclosure dimensions at rated current		mm (in)	400 x 250 x 150 (15.8 x 9.9 x 5.9)	400 x 250 x 150 (15.8 x 9.9 x 5.9)	—	—	—	950 x 350 x 260 (37.4 x 13.8 x 10.3)	—	—

TYPE		3-pole	GE0160P GE0160	GE0200	GE0250	GE0251	GE0315	GE0400	GE0500	GE0630	GE0800	GE1000	GE1250	GE1600
		4-pole❺	GE0160T4P GE0160T4	GE0200T4	GE0250T4	GE0251T4	GE0315T4	GE0400T4	GE0500T4	GE0630T4	GE0800T4	GE1000T4	GE1250T4	GE1600T4
CONTACT CHARACTERISTICS														
IEC conventional free air thermal current Ith (≤40°C)		A	160	200	250	250	315	400	500	630	800	1000	1250	1600
IEC rated insulation voltage Ui		V	1000											
IEC rated impulse withstand Uimp		kV	8						12					
IEC rated operational current Ie														
AC21A	400V	A	160	200	250	250	315	400	500	630	800	1000	1250	1600
	500V	A	160	200	200	250	315	400	500	630	800	1000	1250	1600
	690V	A	160	180	180	200	250	250	500	630	800	1000	1000	1600
AC22A	400V	A	160	200	250 (AC22B) 200 (AC22A)	250	315	400	500	630	800	1000	1250	1600
	500V	A	160	200	200	250	315	400	500	630	800	1000	1000	1250
	690V	A	125	160	160	160	200	200	400	500	500	630	630	1000
AC23A	400V	A	160	160	160	250	315	400	500	630	800	1000	1000	1000
	500V	A	125	125	125	200	250	315	400	500	500	800	800	900
	690V	A	80	80	80	160	160	160	250	315	315	500	500	630
Power dissipation		w/pole	4	6	9	2.5	6.5	10.5	22	35	56	50	78	128
IEC reactive power for control of capacitors 400V senφ=0,65		kvar	72	72	72	112	142	180	225	284	284	360	360	450
IEC rated operational power														
AC23A	400V	kW	90	90	90	138	174	220	220	349	443	443	443	554
	690V	kW	75	75	75	153	153	153	239	300	300	478	478	600
Short circuit protection														
Rated short-time current (1s) Icw		kA rms	7			12			16			25		50
Conditional short-circuit current❶		kA rms	100									72		75
With fuse class gG		A	160	200	250		315	400	500	630	800	1000	1250	2x800
Making capacity AC23A 400V		A	1600			2500	3150	4000	5000	6300		8000		10000
Breaking capacity AC23A 400V		A	1280			2000	2520	3200	4000	5000		6400		8000
Mechanical life		cycles	30,000			20,000			10,000					
Electrical life (AC23A 400V)		cycles	1,000								500			
Terminals 		type	Lug terminal ❸ or bars											
		A mm	18	26		25			25	30		40		60
		B mm	3			4			5			8		10
		screw	M8	M10								M14		M14
Tightening torque		Nm	13❹	18				24				45		55
		lb.in	88❹	159				212				292		487
Max. conductor section		mm²	95	120		185			2x185	2x240	2x240	2x300		—
Max. bar size (thickness-width)		mm	5-25❷	5-30		7-25			6-40	2x 5-40	2x 5-50	2x 10-50		2x 10-80
AMBIENT CONDITIONS														
Temperature	Operating	°C	-25...+55											
	Storage	°C	-40...+70											
Maximum altitude		m	3000											
Mounting position	Normal		Vertical											
	Admissible		Any											
Fixing			Screw											

❶ With protection fuse limiting peak current and specific through energy.
❷ Not suitable for types GE0160P and GE0160T4P.
❸ Types GE...P have hex terminals IP20.
❹ 4Nm/35lb.in only for types GE...P.
❺ The 4-pole types (3P+N) have early-make late-break neutral pole.

TYPE	NFC	3-pole	**GE0050F**	**GE0125F**	-	-	-	
		4-pole❸	**GE0050FT4**	**GE0125FT4**	-	-	-	
	BS	3-pole	-	-	**GE0160B**	-	**GE0200B**	
		4-pole❸	-	-	**GE0160BT4**	-	**GE0200BT4**	
	NH	3-pole	-	-	**GE0160N**	**GE0161N**	-	
		4-pole❸	-	-	**GE0160NT4**	**GE0161NT4**	-	
CONTACT CHARACTERISTICS								
IEC conventional free air thermal current Ith (≤40°C)		A	50	125	160	160	200	
IEC rated insulation voltage Ui		V	800	800		800		
IEC rated impulse withstand Uimp		kV	8	8		8		
IEC rated operational current Ie								
AC21A	400V	A	50	125	160	160	200	
	500V	A	50	125	160	160	200	
	690V	A	50	125	160	160	200	
AC22A	400V	A	50	125	160	160	200	
	500V	A	50	125	160	160	200	
	690V	A	50	100	125	160	200	
AC23A	400V	A	50	125	160	160	200	
	500V	A	50	125	125	160	200	
	690V	A	50	80	100	125	160	
Power dissipation	NFC	W/pole	4.7	12.5	—	—	—	
	BS	W/pole	—	—	12	—	13	
	NH	W/pole	—	—	11.8	13.5	—	
IEC reactive power for control of capacitors 400V		kvar	18	52	60	60	75	
IEC rated operational power AC23A	400V	kW	25	65	90	90	110	
	690V	kW	42	80	90	110	132	
Short circuit protection								
Spec. through energy I2t		kA^2s	0.076	0.19	0.19	0.478	0.478	
Conditional short circuit current		kA rms	50	50	100❶	100	100	
Making capacity AC23A 400V		A	500	1250	1600		2000	
Breaking capacity AC23A 400V		A	400	1000	1280		1600	
Mechanical life		cycles	10,000	10,000	10,000			
Electrical life (AC23A 400V)		cycles	1,500	1,500	1,000			
Terminals 		type	❷	❷	Lug terminal or bars			
		A mm	–	–	20	25		
		B mm	–	–	3			
		screw	M6	M6	M8			
Tightening torque		Nm	3	4	13			
		lb.in	26	35	115			
Max. conductor section		mm^2	35	93	95	120		
Max. bar size (thickness-width)		mm	–	–	3-25	5-25		
AMBIENT CONDITIONS								
Temperature	Operating	°C	-25...+55					
	Storage	°C	-40...+70					
Maximum altitude		m	3000					
Mounting position								
	Normal		Vertical					
	Admissible		Any					
Fixing			Screw					

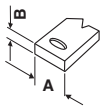
❶ 50kA rms for types GE0160N and GE0160NT4.
❷ Types GE...F have hex terminals IP20.
❸ The 4-pole types (3P+N) have early-make late-break neutral pole.

	-	-	-	-	-
	-	-	-	-	-
	GE0250B	**GE0315B**	**GE0400B**	**GE0630B**	**GE0800B**
	GE0250BT4	**GE0315BT4**	**GE0400BT4**	**GE0630BT4**	**GE0800BT4**
	GE0250N	-	**GE0400N**	**GE0630N**	**GE0800N**
	GE0250NT4	-	**GE0400NT4**	**GE0630NT4**	**GE0800NT4**
	250	315	400	630	800
	1000				
	12				
	250	315	400	630	800
	250	315	400	630	800
	250	315	400	630	630
	250	315	400	630	800
	250	315	400	630	800
	250	315	400	630	630
	250	315	400	630	630
	250	315	400	630	630
	200	250	315	400	400
	—	—	—	—	—
	12	24	29	44	63
	18.7	—	30	48	57
	115	150	200	250	325
	132	185	220	355	355
	160	200	250	370	370
	1.6 100	1.6 100	1.6 100	4.6 100	4.6 100
	2500	3150	4000	6300	
	2000	2600	3200	5100	
	10,000			5,000	
	1.000				500
	Lug terminal or bars				
	30		35	40	50
	4		5	6	
	M10			M12	4x M8
	24			45	13
	212			396	115
	240			2 x 185	2 x 240
	6-40			2 x 7-50	2 x 7-50
	-25...+55				
	-40...+70				
	3000				
	Vertical				
	Any				
	Screw				

❶ 50kA rms for types GE0160N and GE0160NT4.
❷ Types GE...F have hex terminals IP20.
❸ The 4-pole types (3P+N) have early-make late-break neutral pole.

12 Switch disconnectors

Technical characteristics
GE series 160A to 3150A - Three and four-pole changeover switches

TYPE		3-pole	GE0160E	GE0200E	GE0201E	GE0250E	GE0315E	GE0400E
		4-pole❷	GE0160ET4	GE0200ET4	GE0201ET4	GE0250ET4	GE0315ET4	GE0400ET4
CONTACT CHARACTERISTICS								
IEC conventional free air thermal current Ith (≤40°C)		A	160	200		250	315	400
IEC rated insulation voltage Ui		V	1000					
IEC rated impulse withstand Uimp		kV	8					
IEC rated operational current Ie								
AC21A	400V	A	160	200	200	250	315	400
	500V	A	160	200	200	250	315	400
	690V	A	160	200	200	250	315	400
AC22A	400V	A	160	200	200	250	315	400
	500V	A	160	200	200	250	315	400
	690V	A	125	160	160	200	250	315❸
AC23B	400V	A	160	160	160	180	200	250
	500V	A	125	125	125	150	160	200
	690V	A	80	80	80	100	125	160
Power dissipation		W/pole	4	6	8	8,5	13,5	22
IEC reactive power for control of capacitors 400V		kvar	72	72	83	104	131	166
IEC rated operational power AC23A	400V	kW	89	89	100	100	125	125
	690V	kW	76	76	69	86	108	138
Short circuit protection								
Rated short-time current (1s) Icw		kA rms	7	7	8			
Conditional short-circuit current ❶		kA rms	100	100	100			
With fuse class gG		A	160	200	250		315	400
Making capacity AC23A 400V		A	1600	1600	3150		4000	
Breaking capacity AC23A 400V		A	1280	1280	2520		3200	
Mechanical life		cycles	30,000	30.,000	10.,000			
Electrical life (AC22A 400V)		cycles	1,000	1,000	1,000			
Terminals 		type	Lug terminal or bars					
		A mm	18	26	25			35
		B mm	3	3				
		screw	M8	M10				
Tightening torque		Nm	13	24				
		lb.in	115	212				
Max. conductor section		mm^2	95	120	240			
Max. bar size (thickness-width)		mm	4-13	13-18	2 x 5-30			
AMBIENTAL CONDITIONS								
Temperature	Operating	°C	-25...+55					
	Storage	°C	-40...+70					
Maximum altitude		m	3000					
Mounting position	Normal		Vertical					
	Admissible		Any					
Fixing			Screw					

❶ With protection fuse limiting peak current and specific through energy.
❷ The 4-pole types (3P+N) have early-make late-break neutral pole.
❸ Value in AC22B. .

	GE0500E GE0500ET4	GE0630E GE0630ET4	GE0800E GE0800ET4	GE1000E GE1000ET4	GE1250E GE1250ET4	GE1600E GE1600ET4	GE2000E GE2000ET4	GE2500E GE2500ET4	GE3150E GE3150ET4
	500	630	800	1000	1250	1600	2000	2500	3150
	1000								
	12							8	
	500	630	800	1000	1250	1600	2000	2500	3150
	500	630	800	1000	1250	1600	2000	2500	3150
	500	630	800	1000	1250	1600	1800	2500	2500
	500	630	800	1000	1250	1600	2000	2500	2500
	500	630	800	1000	1250	1250	1800	1800	2000
	400	500	630❸	800	1000❸	1000	1600	1800	1800
	400	500	630	1000	1000	1000	1250	1800	1800
	250	315	400	800	900	900	900	1250	1400
	250	250	315	630	630	630	630	1000	1000
	28	44,5	72	76	118	128	59,60	213	338
	208	262	333	415	415	450	562	811	900
	200	200	315	500	525	550	692	997	1100
	173	216	272	544	575	600	764	956	956
	13			25		35	50		
	100			72			75	100	100
	500	630	800	1000	1250	2 x 800	–	–	–
	6300		8000	10000	10000	10000	12500	18000	20000
	5040		6400	8000	8000	8000	10000	14400	1600
	10,000		10,000				3000	600	
	1,000		500						
	Lug terminal or bars								
	40		50		60	80			100
	5		6		10	10	2 x 15		
	M12		M14		M14	M14	M12		
	24		45		55	55	45		
	212		398		487	487	398		
	2 x 240		–	–	–	–	–	–	
	2 x 6-45		2 x 10-60		2 x 7-80	2 x 10-80	3 x 12-80	3 x 12-100	

	-25...+55	-30...+70
	-40...+70	-40...+75
	3000	
	Vertical	
	Any	
	Screw	

❶ With protection fuse limiting peak current and specific through energy.
❷ The 4-pole types (3P+N) have early-make late-break neutral pole.
❸ Value in AC22B.

TECHNICAL DATA ACCORDING TO IEC/EN/BS 60947

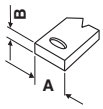
TYPE		3-pole	GMF...030...	GMFJ060...	GMFJ100C03	GMFJ200C03	GMFJ400C03	GMFJ600C03	GMFL800C03
CONTACT CHARACTERISTICS									
IEC conventional free air thermal current Ith (≤40°C)		A	32	63	160	200	400	630	800
IEC rated insulation voltage Ui		V	1000						
IEC rated impulse voltage withstand Uimp		kV	12						
IEC rated operational current Ie									
AC21A	400V	A	32	63	160	200	400	630	800
	500V	A	32	63	160	200	400	630	800
	690V	A	32	63	160	200	400	630	800
AC22A	400V	A	32	63	160	200	400	630	800
	500V	A	32	63	160	200	400	630	800
	690V	A	32	63	160	200	400	630	800
AC23A	400V	A	32	63	160	200	400	630	800
	500V	A	32	63	160	200	400	630	800
	690V	A	32	63	160	200	400	630	800
Power dissipation (without fuse)		W/pole	2	4	9	8	30	46	75
Max fuse power dissipation	in open air	W	3.5	7.5	12	17	45	60	65
	in enclosure	W	3.5	7.5	12	15	30	50	55
IEC rated operational power									
AC23A	400V	kW	15	30	75	110	220	355	450
	690V	kW	22	55	132	200	400	630	710
IEC short circuit protection									
Rated short-time current (1s) Icw		kA rms	1	2.5	5	8	14	20	20
Conditional short circuit current		kA rms	200						
With fuse		A/class	30/J-CC	60/J	100/J	200/J	400/J	600/J	800/L
Making capacity AC23A 690V		A	320	630	1600	2000	4000	6300	8000
Breaking capacity AC23A 690V		A	256	504	1280	1600	3200	6400	6400
Mechanical life		cycles	10,000		8,000		5,000		3,000
Min. electrical endurance (pf=075...0.8)		cycles	6000				1000	1000	500
Fuse-links bolts tightening torque		Nm	-	-	4	4	20	40	40
Terminal lug kits			Built-in		GMX500	GMX501	GMX502	GMX504	GMX504
Conductor section min...max		mm^2	1...10	2.5...25	2.5...70	25...150	35...300	2X35...600	2X35...600
		AWG	18-8	14-4	14-2/0	4-300MCM	2-600MCM	(2)x2-600MCM	(2)x2-600MCM
Conductor tightening torque		Nm	2	3.5	13.5	31	42.5	56.5	56.5
		lb.in	17	30	120	275	375	500	500
Terminal lugs tightening torque		Nm	-	-	5.5	8	27	54	54
		lb.in	-	-	50	72	240	480	480
AMBIENT CONDITIONS									
Temperature	operating	°C	-25...+55						
	storage	°C	-40...+70						
Maximum altitude		m	3000						
Mounting position	normal		Vertical						
	admissible		Any						
Fixing			Screw or 35mm DIN rail (IEC/EN 60715)	Screw					

TECHNICAL DATA ACCORDING TO UL/CSA RATINGS

TYPE		3-pole	GMF...030...	GMFJ060...	GMFJ100C03	GMFJ200C03	GMFJ400C03	GMFJ600C03	GMFL800C03
CHARACTERISTICS									
Compliance			UL98						
General purpose rating (≤40°C)		A	30	60	100	200	400	600	800
Max operating voltage Ui		V	600						
Horsepower ratings/motor FLA current three-phase									
	240V	HP/A	7.5/22	15/42	30/80	60/154	125/312	200/480	250/602
	480V	HP/A	15/21	30/40	60/77	125/156	250/302	400/477	500/590
	600V	HP/A	20/22	50/52	75/77	150/144	350/336	500/472	600/472
Short circuit ratings		KA rms	200						
With fuse		A/class	30/J-CC	60/J	100/J	200/J	400/J	600/J	800/L
Terminal lug kits			Built-in		GMX500	GMX501	GMX502	GMX504	GMX504

TYPE		3-pole	GA040D	GD025AT2	GD025AT3	GD032AT3	GD032AT4	GD040AT3	GD040AT4
		4th pole	GAX42040D	—	—	—	—	—	—
CONTACT CHARACTERISTICS									
IEC conventional free air thermal current Ith (≤40°C)		A	40	25	25	32	32	40	40
IEC rated insulation voltage Ui		V	1000	1000 / 1500❶					
IEC rated impulse withstand Uimp		kV	8						
IEC rated operational current Ie DC21B❷									
	≤800V	A	—	25	25	32	32	40	40
	1000V	A	—	16	25	32	32	32	40
	❶1200V	A	—	—	—	—	25	—	32
	❶1500V	A	—	—	—	—	20	—	25
2 poles in series	300V	A	16	—	—	—	—	—	—
3 poles in series	48V	A	40	—	—	—	—	—	—
	110V	A	35	—	—	—	—	—	—
	220V	A	32	—	—	—	—	—	—
	500V	A	12	—	—	—	—	—	—
	400V	A	35	—	—	—	—	—	—
4 poles in series	440V	A	32	—	—	—	—	—	—
	500V	A	32	—	—	—	—	—	—
	600V	A	20	—	—	—	—	—	—
	700V	A	15	—	—	—	—	—	—
	750V	A	15	—	—	—	—	—	—
	800V	A	15	—	—	—	—	—	—
Power dissipation		w/pole	1.0	0.8		1.2		1.9	
Mechanical life		cycles	100,000	10,000					
Terminals		type	Mantle	Screw with washer					
		A mm	5.6	—					
		B mm	6.5	—					
		Screw	M4	—					
		Tool	Phillips 2	Philips 1					
Tightening torque		Nm	1.8...2	1.2...1.6					
		lb.in	16...18	10...14					
Conductor section min.-max.		mm^2	0.75...16	1...10					
		AWG	18...6	18...8					
AMBIENT CONDITIONS									
Temperature	Operating	°C	-25...+55						
	Storage	°C	-40...+70						
Maximum altitude		m	3,000	2,000					
Mounting position	Normal		Vertical						
	Admissible		Any						
Fixing			Screw or 35mm DIN rail (IEC/EN 60715)						

❶ 1000V pollution degree 3; 1500V pollution degree 2.
❷ For GD series refer to wiring diagrams on page 12-63.

TYPE		4-pole	GE0125DT4	GE0250DT4	GE0315DT4
CONTACT CHARACTERISTICS					
IEC conventional free air thermal current Ith (≤40°C)		A	125	250	315
IEC rated insulation voltage Ui		V	1000		
IEC rated impulse withstand Uimp		kV	8		
IEC rated operational current Ie DC21B	48V	A	125	250	315
4 poles in series	110V	A	125	250	315
	220V	A	125	250	315
	400V	A	125	250	315
	440V	A	125	250	315
	500V	A	125	250	315
	600V	A	125	250	315
	750V	A	125	250	290
	800V	A	125	250	280
	850V	A	125	240	270
	900V	A	125	220	260
	1000V	A	100	200	250
Mechanical life		cycles	20,000		
Terminals 		type	Lug terminal or bars		
		A mm	20	25	25
		B mm	4	4	4
		screw	M8	M10	M10
Tightening torque		Nm	13	18	18
		lb.in	115	159	159
Max. bar size (thickness-width)		mm	7-25		
Max. conductor section		mm^2	185		
AMBIENT CONDITIONS					
Temperature	Operating	°C	-25...+55		
	Storage	°C	-40...+70		
Maximum altitude		m	3000		
Mounting position	Normal		Vertical		
	Admissible		Any		
Fixing			Screw		

	GE0630DT4	GE0800DT4	GE1250DT4
	630	800	1250
	1000		
	12		
	630	800	1250
	630	800	1250
	630	800	1250
	630	800	1250
	630	750	1250
	630	700	1250
	630	700	1250
	630	650	1050
	600	630	1000
	600	630	940
	600	630	870
	500	630	850
	10,000		
	Lug terminal or bars		
	30	30	40
	5	5	8
	M10	M10	M14
	24	24	45
	212	212	398
	2x 5-40 (thickness-width)	2x 5-40	2x 10-50
	2x240	2x240	2x300

	-25...+55
	-40...+70
	3000
	Vertical
	Any
	Screw