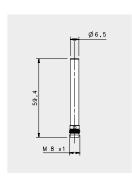
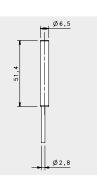
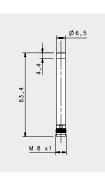
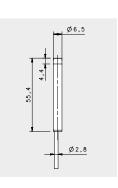
BASIC M6.5



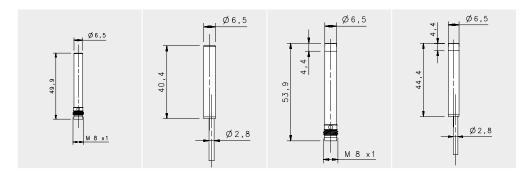






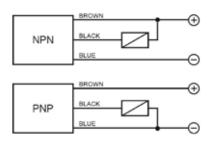


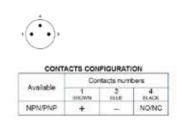
				STANDARD				
				FLL	JSH	NON I	FLUSH	
				M8 conn	cable	M8 conn	cable	
OMINAL SWITCH	HING DISTAN	CE		1,5 mm	1,5 mm	2 mm	2 mm	
10-30 Vdc	PNP/NPN	4 wires						
	NO-NC		order No.					
10-30 Vdc	PNP	3 wires		IS-65-A1-S1	IS-65-A1-03	IS-65-C1-S1	IS-65-C1-03	
	NO	5 11	order No.	95B066050	95B064730	95B066210	95B064890	
0-30 Vdc	PNP	3 wires		IS-65-A2-S1	IS-65-A2-03	IS-65-C2-S1	IS-65-C2-03	
	NC		order No.	95B066090	95B064770	95B066250	95B066300	
0-30 Vdc	NPN	3 wires		IS-65-A3-S1	IS-65-A3-03	IS-65-C3-S1	IS-65-C3-03	
	NO		order No.	95B064970	95B064650	95B066130	95B064810	
0-30 Vdc	NPN	3 wires		IS-65-A4-S1	IS-65-A4-03	IS-65-C4-S1	IS-65-C4-03	
	NC		order No.	95B066010	95B064690	95B066170	95B064850	
0-30 Vdc	PNP	4 wires						
	NO-NC		order No.					
0-30 Vdc	NPN	4 wires						
	NO-NC		order No.					
0-30 Vdc	NO-NC	2 wires						
			order No.					
20-250 Vac/Vdc	NO	2 wires						
			order No.					
20-250 Vac/Vdc	NC	2 wires						
				order No.				
:0-250 Vac	NO	VO 2/3 wires						
				order No.				
0-30 Vdc	Analog							
	0-20 mA		order No.					
NAMUR amplifier	NAMUR	2 wires						
<u> </u>			order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
lysteresis				< 10%	< 10%	< 10%	< 10%	
Лах. Output Curre	nt			200 mm	200 mA	200 mm	200 mA	
in. Output Curre								
Residual Current				< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA	
/oltage Drop				< 1,2 V (I=100 mA)	< 1,2 V (I=100 mA)	< 1,2 V (I=100 mA)	< 1,2 V (I=100 mA)	
Operation Led				Yellow	Yellow	Yellow	Yellow	
Switching Frequer	าсง			1000 Hz	1000 Hz	1000 Hz	1000 Hz	
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms	
Repeatability				< 3%	< 3%	< 3%	< 3%	
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa inductive loads	
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
rotection Degree				IP67	IP67	IP67	IP67	
Table Length				1F07 	2 m	1F07 	2 m	
Table Section					3x 0,14 mm²		3x 0,14 mm²	
lousing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Active Face				LCP	LCP	LCP	LCP	
ightening torque								
Veight - Cable Out	tput				80 g		80 g	
Weight - Connecto	•			40 g		40 g		



	SHO	ORT		
FLUS		NON FLUSH		
M8 conn	cable	M8 conn	cable	
1,5 mm	1,5 mm	2 mm	2 mm	
IS-65-B1-S1	IS-65-B1-03	IS-65-D1-S1	IS-65-D1-03	
95B066070	95B064750	95B066230	95B064910	
IS-65-B2-S1	IS-65-B2-03	IS-65-D2-S1	IS-65-D2-03	
95B066110	95B064790	95B066270	95B064950	
IS-65-B3-S1	IS-65-B3-03	IS-65-D3-S1	IS-65-D3-03	
95B064990	95B064670	95B066150	95B064830	
IS-65-B4-S1	IS-65-B4-03	IS-65-D4-S1	IS-65-D4-03	
95B066030	95B064710	95B066190	95B066190	
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
< 10%	< 10%	< 10%	< 10%	
< 10%	< 10%	< 10%	< 10%	
200 mA	200 mA	200 mA	200 mA	
200 IIIA 	200 IIIA	200 IIIA 	200 IIIA	
		< 10 mA		
< 10 mA	< 10 mA		< 10 mA	
< 1,2 V (I=100mA)				
Yellow	Yellow	Yellow	Yellow	
1000 Hz	1000 Hz	1000 Hz	1000 Hz	
< 50 ms	< 50 ms	< 50 ms	< 50 ms	
< 3%	< 3%	< 3%	< 3%	
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Against polarity reversal inductive loads				
(-25 +70 °C) IP67	(-25 +70 °C) IP67	(-25 +70 °C) IP67	(-25 +70 °C) IP67	
	2 m		2 m	
	3 x 0,14 mm²		3 x 0,14 mm²	
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
LCP	LCP	LCP	LCP	
	80 g		80 g	
40 g		40 g		

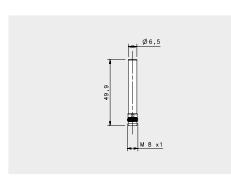
3 wires PNP or NPN

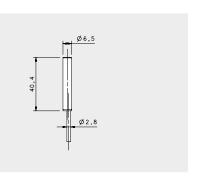




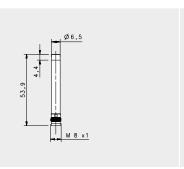
BASIC M6.5

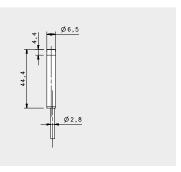






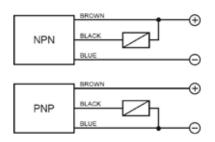
				SHOR	T X2													
				FLUS	SH Comments													
				M8 conn	cable													
IOMINAL SWITCH	HING DISTANCE	E		2 mm	2 mm													
40.70.1/4-	PNP/NPN	/tu																
10-30 Vdc	NO-NC	4 wires	order No.															
10-30 Vdc	PNP	3 wires		IS-65-G1-S1	IS-65-G1-03													
10-30 Vac	NO	3 wires	order No.	95B066060	95B064740													
10-30 Vdc	PNP	3 wires		IS-65-G2-S1	IS-65-G2-03													
10-30 vuc	NC	2 MILES	order No.	95B066100	95B064780													
0-30 Vdc	NPN	3 wires		IS-65-G3-S1	IS-65-G3-03													
0 30 vac	NO	J WIICS	order No.	95B064980	95B064660													
0-30 Vdc	NPN	3 wires		IS-65-G4-S1	IS-65-G4-03													
0 30 vac	NC	J WIICS	order No.	95B066020	95B064700													
0-30 Vdc	PNP	4 wires																
	NO-NC		order No.															
0-30 Vdc	NPN	4 wires																
	NO-NC		order No.															
10-30 Vdc	NO-NC	2 wires																
			order No.															
20-250 Vac/Vdc	NO	2 wires																
			order No.															
20-250 Vac/Vdc	NC 2 wires	C 2 wires	2 wires	2 wires	2 wires	2 wires	2 wires	2 wires	2 wires	2 wires	2 wires	2 wires	2 wires	2 wires	2 wires	N -		
			order No.															
20-250 Vac	NO	2/3 wires	N -															
		3 wires	3 wires	3 wires	3 wires	3 wires	3 wires	og 3 wires				order No.						
0-30 Vdc	Analog 0-20 mA								andan Na									
	0-20 IIIA								order No.		 							
NAMUR amplifier	NAMUR	2 wires	order No.															
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)													
Residual Ripple				< 10%	< 10%													
Hysteresis				< 10%	< 10%													
Max. Output Curre	nt			200 mA	200 mA													
1in. Output Curre	ent																	
Residual Current				< 10 mA	< 10 mA													
oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)													
peration Led				Yellow	Yellow													
witching Frequer	ncy			500 Hz	500 Hz													
tart Up Delay				< 75 ms	< 75 ms													
Repeatability				< 3%	< 3%													
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)													
Electric Protection	า			Against polarity reversal inductive loads	Against polarity reversal inductive loads													
emperature Limit				(-25 +70 °C)	(-25 +70 °C)													
rotection Degree				IP67	IP67													
able Length					2 m													
able Section					3 x 0,14 mm²													
lousing Material				Nickel-plated brass	Nickel-plated brass													
Active face				LCP	LCP													
ightening torque																		
Weight - Cable Out	tput				80 g													
Weight - Connecto				40 g														





SHO	RT X 2				
NON FLUSH					
M8 conn	cable				
3 mm	3 mm				
IS-65-H1-S1	IS-65-H1-03				
95B066220	95B064900				
IS-65-H2-S1	IS-65-H2-03				
95B066260	95B064940				
IS-65-H3-S1	IS-65-H3-03				
95B066140	95B064820				
IS-65-H4-S1	IS-65-H4-03				
95B066180	95B064860				
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)				
< 10%	< 10%				
< 10%	< 10%				
200 mA	200 mA				
< 10 mA	< 10 mA				
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)				
Yellow	Yellow				
500 Hz	500 Hz				
< 75 ms	< 75 ms				
< 3%	< 3%				
Present (self-resetting)	Present (self-resetting)				
Against polarity reversal inductive loads	Against polarity reversal inductive loads				
(−25 +70 °C) IP67	(−25 +70 °C) IP67				
	2 m				
	3 x 0,14 mm²				
Nickel-plated brass	Nickel-plated brass				
LCP	LCP				
	80 g				
40 g					

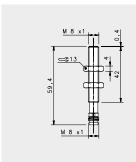
3 wires PNP or NPN

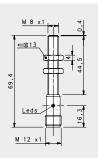


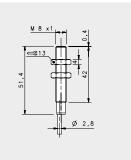


27.252.31	Contacts numbers				
Available	1 IROWN	3 HUE	HACK		
NPN/PNP	+	_	NO/NO		

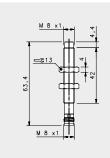


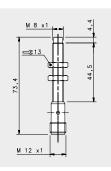


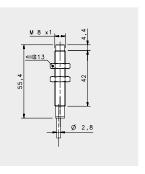




					STANDARD	
					FLUSH	
			,	M8 conn	M12 conn	cable
OMINAL SWITCH	IING DISTANO	CE		1,5 mm	1,5 mm	1,5 mm
10-30 Vdc	PNP/NPN	4 wires				
10-30 vac	NO-NC	4 WIIES	order No.			
10-30 Vdc	PNP	3 wires		IS-08-A1-S1	IS-08-A1-S2	IS-08-A1-03
10 30 vac	NO	J WIICS	order No.	95B061141	95B061131	95B061121
10-30 Vdc	PNP	3 wires		IS-08-A2-S1	IS-08-A2-S2	IS-08-A2-03
	NC	5 WIICS	order No.	95B061171	95B061161	95B061151
10-30 Vdc	NPN	3 wires		IS-08-A3-S1	IS-08-A3-S2	IS-08-A3-03
	NO	5 WIICS	order No.	95B061081	95B061071	95B061061
10-30 Vdc	NPN	3 wires		IS-08-A4-S1	IS-08-A4-S2	IS-08-A4-03
10 30 vac	NC	J WIICS	order No.	95B061111	95B061101	95B061091
10-30 Vdc	PNP NO-NC	4 wires	order No.			
	NPN		order ivo.			
10-30 Vdc	NO-NC	4 wires	order No.			
			Oraci NO.			
10-30 Vdc	NO-NC	2 wires	order No.			
			order ivo.			
20-250 Vac/Vdc	NO	2 wires	order No.			
			order No.			
20-250 Vac/Vdc	NC	2 wires	order No.			
			order No.			
0-250 Vac	NO	2/3 wires	order No.			
	01		order No.			
0-30 Vdc	Analog 0-20 mA	3 wires	order No.			
	0 2011111	2 wires	order No.			
NAMUR amplifier	NAMUR		order No.			
			order ivo.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%
Max. Output Currer	nt			200mA	200mA	200mA
Ain. Output Curre						
Residual Current				< 10 mA	< 10 mA	< 10 mA
/oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led				Yellow	Yellow	Yellow
Switching Frequer	ncv			1000 Hz	1000 Hz	1000 Hz
Start Up Delay	- 1			< 50 ms	< 50 ms	< 50 ms
Repeatability				< 3%	< 3%	< 3%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Farmanako era 1 da 19						
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67
Cable Length						2 m
Table Section						3x 0,14 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP
ightening torque				4Nm	4Nm	4Nm
Weight - Cable Out	•					80 g
Weight - Connecto	r Output			35g	55g	



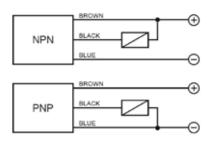




	STANDARD	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-C1-S1	IS-08-C1-S2	IS-08-C1-03
95B061541	95B061531	95B061521
IS-08-C2-S1	IS-08-C2-S2	IS-08-C2-03
95B061571	95B061561	95B061551
IS-08-C3-S1	IS-08-C3-S2	IS-08-C3-03
95B061481	95B061471	95B066410
IS-08-C4-S1	IS-08-C4-S2	IS-08-C4-03
95B061511	95B061501	95B066450
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%
< 10%	< 10%	< 10%
200mA	200mA	200mA
< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow	Yellow
1000 Hz	1000 Hz	1000 Hz
< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal	Against polarity reversal	Against polarity reversal
inductive loads	inductive loads	inductive loads
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
IP67	IP67	IP67
		2 m
		3x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP
4Nm	4Nm	4Nm
		80 g
25		o

55g

3 wires PNP or NPN



M123 pole

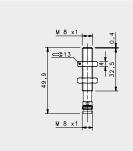


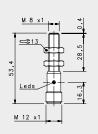
Available		Contacts	numbers	
Available	1	2	3	4
(NO or NC)	+		777	NOING

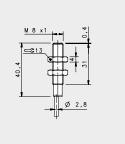


CONT	ACTS CON	FIGURAT	ION	
27.022.11	Contacts numbers			
Available	1 BROWN	3 HUE	HACK	
NPN/PNP	+	=	NONC	

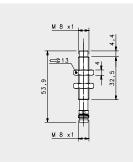


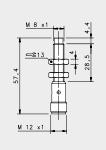


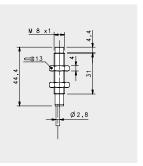




					SHORT	
					FLUSH	
				M8 conn	M12 conn	cable
OMINAL SWITCH	IING DISTANO	CE		1,5 mm	1,5 mm	1,5 mm
	PNP/NPN					
10-30 Vdc	NO-NC	4 wires	order No.			
	PNP			IS-08-B1-S1	IS-08-B1-S2	IS-08-B1-03
10-30 Vdc	NO	3 wires	order No.	95B066860	95B066590	95B061921
	PNP			IS-08-B2-S1	IS-08-B2-S2	IS-08-B2-03
10-30 Vdc	NC	3 wires	order No.	95B066890	95B066620	95B061951
	NPN			IS-08-B3-S1	IS-08-B3-S2	IS-08-B3-03
10-30 Vdc	NO	3 wires	order No.	95B066810	95B066530	95B061861
	NPN			IS-08-B4-S1	IS-08-B4-S2	IS-08-B4-03
0-30 Vdc	NC	3 wires	order No.	95B066830	95B066560	95B061891
	PNP					
0-30 Vdc	NO-NC	4 wires	order No.			
10.201//	NPN					
10-30 Vdc	NO-NC	4 wires	order No.			
10-30 Vdc	NO-NC	2 wires	order No.			
20-250 Vac/Vdc	NO	2 wires	order No.			
20-250 Vac/Vdc	NC 2 wires		order No.			
20-250 Vac	NO 2/3 wires		order No.			
	Analog	Analog 0-20 mA 3 wires				
0-30 Vdc	0-20 mA		order No.			
MANAGE US	NAME	2	2i			
NAMUR amplifier	NAMUR	2 wires	order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%
Max. Output Curre				200mA	200mA	200mA
Min. Output Curre	nt					
Residual Current				< 10 mA	< 10 mA	< 10 mA
/oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led				Yellow	Yellow	Yellow
Switching Frequer	ncy			1000 Hz	1000 Hz	1000 Hz
Start Up Delay				< 50 ms	< 50 ms	< 50 ms
Repeatability				< 3%	< 3%	< 3%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67
Cable Length						2 m
Table Section						3 x 0,14 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP
Γightening torque				4Nm	4Nm	4Nm
Weight - Cable Out	put					80 g
Weight - Connecto				35g	55g	



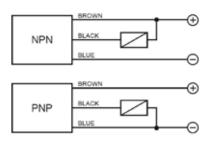




	SHORT	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-D1-S1	IS-08-D1-S2	IS-08-D1-03
95B066970	95B066700	95B062321
IS-08-D2-S1	IS-08-D2-S2	IS-08-D2-03
95B067000	95B066720	95B062351
IS-08-D3-S1	IS-08-D3-S2	IS-08-D3-03
95B066920	95B066650	95B066430
IS-08-D4-S1	IS-08-D4-S2	IS-08-D4-03
95B066940	95B066670	95B062291
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%
< 10%	< 10%	< 10%
200mA	200mA	200mA
< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow	Yellow
1000 Hz	1000 Hz	1000 Hz
< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
IP67	IP67	IP67
		2 m
		3 x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP
4Nm	4Nm	4Nm
		80 g

55g

3 wires PNP or NPN



M123 pole

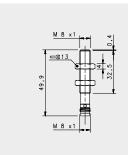


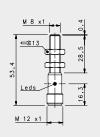
Available		Contacts	numbers	
Available	1	2	3	4
(NO or NC)	+		777	NOING

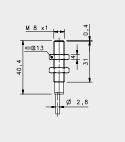


CONT	ACTS CON	FIGURAT	ION		
	Contacts numbers				
Available	1 BROWN	3 HUE	HACK		
NPN/PNP	+	=	NONC		

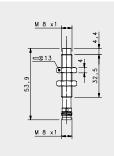


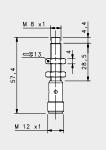


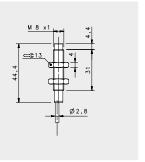




					SHORT X2				
					FLUSH				
				M8 conn	M12 conn	cable			
IOMINAL SWITCH	IING DISTANO	Œ		2 mm	2 mm	2 mm			
10-30 Vdc	PNP/NPN	4 wires							
10 30 vac	NO-NC	4 WIICS	order No.						
10-30 Vdc	PNP	3 wires		IS-08-G1-S1	IS-08-G1-S2	IS-08-G1-03			
	NO	5 1111103	order No.	95B066850	95B066580	95B066370			
10-30 Vdc	PNP	3 wires		IS-08-G2-S1	IS-08-G2-S2	IS-08-G2-03			
	NC		order No.	95B066880	95B066610	95B066390			
10-30 Vdc	NPN	3 wires		IS-08-G3-S1	IS-08-G3-S2	IS-08-G3-03			
	NO		order No.	95B066800	95B066520	95B066330			
0-30 Vdc	NPN NC	3 wires		IS-08-G4-S1	IS-08-G4-S2	IS-08-G4-03			
			order No.	95B063131	95B066550	95B066350			
0-30 Vdc	PNP NO-NC	4 wires	order No						
			order No.						
0-30 Vdc	NPN NO-NC	4 wires	order No.						
	140 140		order NO.						
0-30 Vdc	NO-NC	2 wires	order No.						
			order No.						
0-250 Vac/Vdc	NO	2 wires	order No.						
			order No.						
20-250 Vac/Vdc	O Vac/Vdc NC 2 wires	2 wires	order No.						
	polenA			order No.					
20-250 Vac		2/3 wires	order No.						
0-30 Vdc	0-20 mA	3 wires	3 wires	3 wires	3 wires	order No.			
IAMUR amplifier	NAMUR	2 wires	order No.						
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)			
Residual Ripple				< 10%	< 10%	< 10%			
lysteresis				< 10%	< 10%	< 10%			
Max. Output Curre				200mA	200mA	200mA			
Min. Output Curre	nt								
Residual Current				< 10 mA	< 10 mA	< 10 mA			
Oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA) Yellow	< 1,2 V (I=100mA)			
Operation Led	acv.			Yellow 500 Hz	Yellow 500 Hz	Yellow 500 Hz			
Switching Frequer	icy			< 75 ms	< 75 ms	< 75 ms			
Start Up Delay Repeatability				< 3%	< 3%	< 3%			
Repeatability Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)			
				Against polarity reversal	Against polarity reversal	Against polarity reversal			
lectric Protection				inductive loads	inductive loads	inductive loads			
emperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +70 °C)			
rotection Degree				IP67	IP67	IP67			
able Length						2 m			
able Section						3 x 0,14 mm²			
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass			
Active face				LCP	LCP	LCP			
ightening torque				4Nm	4Nm	4Nm 80 g			
Neight - Cable Out									

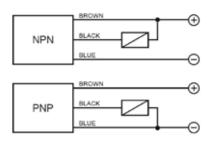






	SHORT X2	
	NON FLUSH	
M8 conn	M12 conn	cable
3 mm	3 mm	3 mm
		
IS-08-H1-S1	IS-08-H1-S2	IS-08-H1-03
95B066960	95B066690	95B066480
IS-08-H2-S1	IS-08-H2-S2	IS-08-H2-03
95B066990	95B063301	95B066500
IS-08-H3-S1	IS-08-H3-S2	IS-08-H3-03
95B066910	95B066640	95B066420
IS-08-H4-S1	IS-08-H4-S2	IS-08-H4-03
95B063251	95B063241	95B066460
		
		
		
		
		
		
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%
< 10%	< 10%	< 10%
200mA	200mA	200mA
< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow	Yellow
500 Hz	500 Hz	500 Hz
< 75 ms	< 75 ms	< 75 ms
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal	Against polarity reversal	Against polarity reversal
inductive loads	inductive loads	inductive loads
(-25 +60 °C)	(-25 +60 °C)	(-25 +70 °C)
IP67	IP67	IP67
		2 m
		3 x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP
4Nm	4Nm	4Nm
		80 g
35g	55g	

3 wires PNP or NPN



M12 3 pole

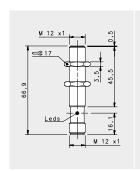


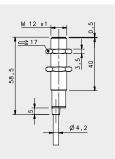
Available	Contacts numbers				
Available	1	2	3	4	
(NO or NC)	+		777	NOING	

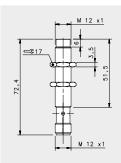


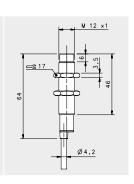
CONT	ACTS CON	FIGURAT	ION	
27.0724.11	Contacts numbers			
Available	1 BROWN	3 HUE	HACK	
NPN/PNP	+	=	NONC	



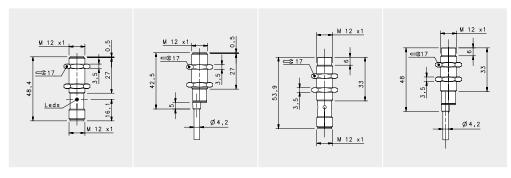








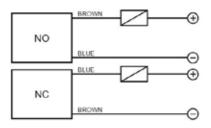
				STANDARD				
				FLI	JSH		FLUSH	
				M12 conn	cable	M12 conn	cable	
NOMINAL SWITCH	ING DISTAN	CE		2 mm	2 mm	4 mm	4 mm	
10-30 Vdc	PNP/NPN	4 wires		IS-12-A0-S2	IS-12-A0-03	IS-12-C0-S2	IS-12-C0-03	
10 30 vac	NO-NC	4 WIIC3	order No.	95B064060	95B064030	95B064080	95B064040	
10-30 Vdc	PNP	3 wires		IS-12-A1-S2	IS-12-A1-03	IS-12-C1-S2	IS-12-C1-03	
	NO		order No.	95B061251	95B061241	95B061651	95B061641	
10-30 Vdc	PNP NC	3 wires	and an Na	IS-12-A2-S2	IS-12-A2-03	IS-12-C2-S2	IS-12-C2-03	
			order No.	95B061281	95B061271 IS-12-A3-03	95B061681	95B061671	
10-30 Vdc	NPN NO	3 wires	order No.	IS-12-A3-S2 95B061191	95B061181	IS-12-C3-S2 95B061591	IS-12-C3-03 95B061581	
	NPN		order No.	IS-12-A4-S2	IS-12-A4-03	IS-12-C4-S2	IS-12-C4-03	
10-30 Vdc	NC	3 wires	order No.	95B061221	95B061211	95B061621	95B061611	
	PNP		oraci ivo.					
10-30 Vdc	NO-NC	4 wires	order No.					
	NPN		oraci itoi					
10-30 Vdc	NO-NC	4 wires	order No.					
				IS-12-A9-S2	IS-12-A9-03	IS-12-C9-S2	IS-12-C9-03	
10-30 Vdc	NO-NC	2 wires	order No.	95B063931	95B064100	95B064140	95B064110	
20-250 Vac/Vdc	NO	2 wires	order No.					
20. 250 \/ /\/	NC	2						
20-250 Vac/Vdc	NC	2 wires	order No.					
20-250 Vac	NO	2/3 wires	2/3wires					
20-250 vac	INU		order No.					
10-30 Vdc	Analog	3 wires						
10-30 vac	0-20 mA	2 MILE2	order No.					
NAMUR amplifier	NAMUR	2 wires						
		2 1163	order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
Hysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Currer	nt			200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	
Min. Output Curre	nt			> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)	
Residual Current				< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	
Voltage Drop				< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)	
Operation Led				Yellow	Yellow	Yellow	Yellow	
Switching Frequen	ncy			1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-N	
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms	
Repeatability				< 3%	< 3%	< 3%	< 3%	
Short Circuit Prote	ction			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	IP67	IP67	
Cable Length					2 m		2 m	
Cable Section					2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²	
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Active face				LCP	LCP	LCP	LCP	
Tightening torque				10Nm	10Nm	10Nm	10Nm	
Weight - Cable Out	put				110 g		110 g	
Weight - Connector				60 g		60 g		



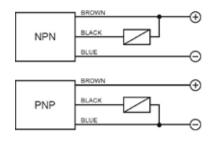
	SH	ORT	
FLI	JSH		FLUSH
M12 conn	cable	M12conn	cable
2 mm	2 mm	4 mm	4 mm
IS-12-B1-S2	IS-12-B1-03	IS-12-D1-S2	IS-12-D1-03
95B062051	95B062041	95B062451	95B062441
IS-12-B2-S2	IS-12-B2-03	IS-12-D2-S2	IS-12-D2-03
95B062081	95B062071	95B062481	95B062471
IS-12-B3-S2	IS-12-B3-03	IS-12-D3-S2	IS-12-D3-03
95B061991	95B061981	95B062391	95B062381
IS-12-B4-S2	IS-12-B4-03	IS-12-D4-S2	IS-12-D4-03
95B062021	95B062011	95B062421	95B062411
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,8 V (I=100mA)			
Yellow	Yellow	Yellow	Yellow
1000 Hz	1000 Hz	1000 Hz	1000 Hz
< 50 ms	< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads			
(-25 +60 °C)	(-25 +70 °C)	(-25 +60 °C)	(-25 +70 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm²		3 x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP	LCP
10Nm	10Nm	10Nm	10Nm
	110 g		110 g
60.4	- 0	60.4	0

60 g

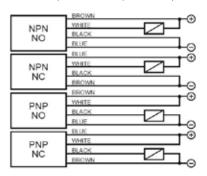
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

Ameliable	Contacts numbers				
Available	3	2	3	4	
NO	*		-		
NC	- 22		+		

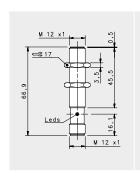
3 wires

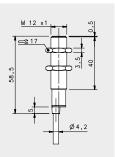
C	ONTACTS	CONFIGU	RATION		
Available	Contacts numbers				
Available	1	2	3	4	
(NO or NC)	+		-	NOINC	

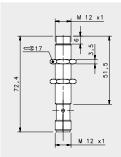
4 wires (PNP/NPN_NO/NC)

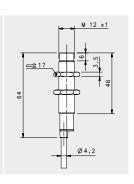
Output	Contacts numbers				
Output	11	2	- 3	4	
NPN NO	+	NO	-23	-	
NPN NC	-	NC	+	-	
PNP NO	+	+	-	NO	
PNP NC	-	+	+	NC	



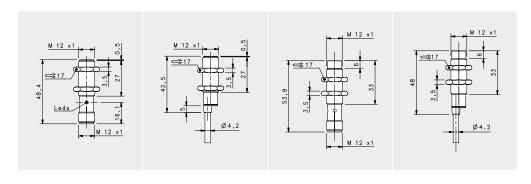




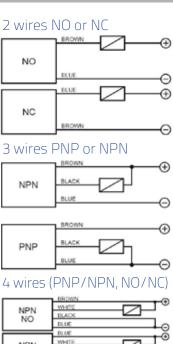


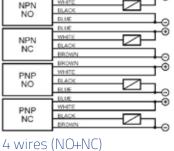


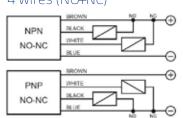
				STAND	ARD X2			
			FLI	JSH	NON I	FLUSH		
			M12 conn	cable	M12 conn	cable		
IING DISTAN	CE		4 r	mm	8 r	mm		
PNP/NPN	/, wiros		IS-12-E0-S2	IS-12-E0-03	IS-12-F0-S2	IS-12-F0-03		
NO-NC	4 WIIES	order No.	95B067230	95B067190	95B067250	95B067210		
PNP	Zwiros		IS-12-E1-S2	IS-12-E1-03	IS-12-F1-S2	IS-12-F1-03		
NO	5 WILES	order No.	95B067030	95B067670	95B067020	95B067740		
PNP	2 wiroc		IS-12-E2-S2	IS-12-E2-03	IS-12-F2-S2	IS-12-F2-03		
NC	5 WILES	order No.	95B067640	95B067680	95B067710	95B067750		
NPN	2 wires		IS-12-E3-S2	IS-12-E3-03	IS-12-F3-S2	IS-12-F3-03		
NO	5 WILES	order No.	95B067650	95B067690	95B067720	95B067760		
NPN	2 wires		IS-12-E4-S2	IS-12-E4-03	IS-12-F4-S2	IS-12-F4-03		
NC	3 wires	order No.	95B067660	95B067700	95B067730	95B067770		
PNP	,							
NO-NC	4 Wires	order No.						
NPN	,							
NO-NC	4 Wires	order No.						
			IS-12-E9-S2	IS-12-E9-03	IS-12-F9-S2	IS-12-F9-03		
NO-NC	2 wires	order No.	95B067240	95B067200	95B067260	95B067220		
NO	2 wires	NO 2 wires	order No.					
	I							
NC	2 wires	order No.						
NO	2/3 wires	order No.						
Δηαίοσ								
0-20 mA		3 wires	3 wires	order No.				
			<u> </u>					
NAMUR	2 wires	order No.						
			10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)		
						< 10%		
			< 10%	< 10%	< 10%	< 10%		
nt						100 mA		
			< 10 mA	< 10 mA	< 10 mA	< 10 mA		
			-			< 1,2 V (I=100mA)		
						Yellow		
ירע						400 Hz/200 Hz (2 wires NO-NO		
icy						< 75 ms		
						< 3%		
action			-			Present (self-resetting)		
ction			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads		
1			IIIuucuve Iuaus	muucuve maus				
			1 25 170 °C\	/ 2E →70 °C\	/ 7E '7O °C\			
			(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)		
			IP67	IP67	IP67	IP67		
				IP67 2 x 0,34 mm² 3 x 0,14 mm²	· · · · ·	IP67 2 x 0,34 mm² 3 x 0,14 mm²		
			IP67 	1P67 2 × 0,34 mm² 3 × 0,14 mm² 4 × 0,25 mm²	IP67 	1P67 2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		
			IP67 Nickel-plated brass	1P67 2 × 0,34 mm² 3 × 0,14 mm² 4 × 0,25 mm² Nickel-plated brass	IP67 Nickel-plated brass	IP67 2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm² Nickel-plated brass		
			IP67 Nickel-plated brass LCP	1P67 2 × 0,34 mm² 3 × 0,14 mm² 4 × 0,25 mm² Nickel-plated brass LCP	IP67 Nickel-plated brass LCP	IP67 2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm³ Nickel-plated brass LCP		
			IP67 Nickel-plated brass	1P67 2 × 0,34 mm² 3 × 0,14 mm² 4 × 0,25 mm² Nickel-plated brass	IP67 Nickel-plated brass	1P67 2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm² Nickel-plated brass		
	PNP/NPN NO-NC PNP NO PNP NC NPN NO NPN NC PNP NO-NC NO-NC NO-NC	NO-NC 4 wires PNP NO 3 wires PNP NC 3 wires NPN NO 3 wires NPN NC 4 wires NPN NO-NC 4 wires NO-NC 2 wires NO 2 wires NO 2/3 wires	PNP/NPN NO-NC 4 wires order No. PNP NO 3 wires order No. PNPN NO 3 wires order No. NPN NO 3 wires order No. NPN NC 3 wires order No. NPN NC 4 wires order No. NPN NO-NC 4 wires order No. NO-NC 2 wires order No. NO 2 wires order No. NC 2 wires order No. NO 2/3 wires order No. NO 2/3 wires order No. NO 2/3 wires order No. NAMUR 2 wires order No. NAMUR 2 wires order No.	M12 conn	NING DISTANCE	M12 conn		



	SHOF	RT X2	
FLU			FLUSH
M12 con	cable	M12 conn	cable
4 mm	4 mm	8 mm	8 mm
IS-12-G1-S2	IS-12-G1-03	IS-12-H1-S2	IS-12-H1-03
95B063371	95B063361	95B063451	95B063441
IS-12-G2-S2	IS-12-G2-03	IS-12-H2-S2	IS-12-H2-03
95B063391	95B063381	95B063471	95B063461
IS-12-G3-S2	IS-12-G3-03	IS-12-H3-S2	IS-12-H3-03
95B063331	95B063321	95B063411	95B063401
IS-12-G4-S2	IS-12-G4-03	IS-12-H4-S2	IS-12-H4-03
95B063351	95B063341	95B063431	95B063421
IS-12-G5-S2	IS-12-G5-03	IS-12-H5-S2	IS-12-H5-03
95B062691	95B062681	95B062771	95B062761
IS-12-G6-S2	IS-12-G6-03	IS-12-H6-S2	IS-12-H6-03
95B062671	95B062661	95B062751	95B062741
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
> 1,6 mA (2wires ver.)			
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)			
Yellow	Yellow	Yellow	Yellow
500 Hz/200 Hz (4 wires NO-NC)			
< 75 ms	< 75 ms	< 75 ms	< 75 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads			
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm² 4 x 0,25 mm²		3 x 0,14 mm² 4 x 0,25 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP	LCP
10Nm	10Nm	10Nm	10Nm
	110 g		110 g
60 g		60 g	







M12 connector connections



2 wires NO or NC

CONTACTS CONFIGURATION					
Available	Contacts numbers				
	.1	2	3	- 4	
NO	+		2		
NC			+		

3 wires

C	ONTACTS	CONFIGU	RATION	
Bulletin Street		Contacts	numbers	
Available .	1	2	3	4
(NO or NC)	+		-	NOINC

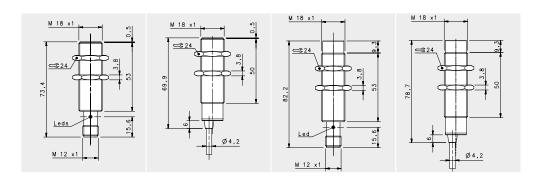
4 wires (PNP/NPN, NO/NC)

0.00		Contacts	numbers	
Output	1	2	-3	4
NPN NO	+	NO	-	-
NPN NC	-	NC.	+	-
PNP NO	+	+	-	NO
PNP NC		+	+	NO

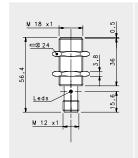
4 wires (NO+NC)

		Contacts	numbers	
Available	1	2	3	- 4
(NO+NC)	+	NC:	-	NO





					STAN	DARD		
				FLU	JSH	NON FLUSH		
				M12 conn	cable	M12 conn	cable	
NOMINAL SWITCH	ING DISTAN	CE		5 mm	5 mm	8 mm	8 mm	
40.20.1/4-	PNP/NPN	/tu		IS-18-A0-S2	IS-18-A0-03	IS-18-C0-S2	IS-18-C0-03	
10-30 Vdc	NO-NC	4 wires	order No.	95B064260	95B064230	95B064280	95B064240	
10-30 Vdc	PNP	3 wires		IS-18-A1-S2	IS-18-A1-03	IS-18-C1-S2	IS-18-C1-03	
10-30 vac	NO	3 WIIES	order No.	95B061351	95B061341	95B061751	95B061741	
10-30 Vdc	PNP	3 wires		IS-18-A2-S2	IS-18-A2-03	IS-18-C2-S2	IS-18-C2-03	
	NC	3 1163	order No.	95B061371	95B061361	95B061771	95B061761	
10-30 Vdc	NPN	3 wires		IS-18-A3-S2	IS-18-A3-03	IS-18-C3-S2	IS-18-C3-03	
	NO		order No.	95B061311	95B061301	95B061711	95B061701	
10-30 Vdc	NPN	3 wires		IS-18-A4-S2	IS-18-A4-03	IS-18-C4-S2	IS-18-C4-03	
	NC		order No.	95B061331	95B061321	95B061731	95B061721	
10-30 Vdc	PNP NO-NC	4 wires						
			order No.					
10-30 Vdc	NPN NO-NC	4 wires	order No					
	INO INC		order No.	IS-18-A9-S2	 S-18-A9-03	IS-18-C9-S2	IS-18-C9-03	
10-30 Vdc	NO-NC	2 wires	order No.	95B063941	95B064300	95B064340	95B064310	
			order No.				930004310	
20-250 Vac/Vdc	NO	2 wires	order No.					
			order ivo.					
20-250 Vac/Vdc	NC	2 wires	order No.					
			order ivo.					
20-250 Vac	NO	2/3 wires	order No.					
	Analog							
10-30 Vdc	0-20 mA	3 wires	order No.					
NAMED	NAMUD	2						
NAMUR amplifier	NAMUR	2 wires	order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
Hysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Currer				200 mA	200 mA	200 mA	200 mA	
Min. Output Currer	nt			> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)	
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA	
Voltage Drop Operation Led				< 1,8V; < 6,5 V (2wires ver.) Yellow	< 1,8V; < 6,5 V (2wires ver.) Yellow	< 1,8V; < 6,5 V (2wires ver.) Yellow	< 1,8V; < 6,5 V (2wires ver.) Yellow	
Switching Frequen	CV			1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-N	
Start Up Delay	Ly			< 50 ms	< 50 ms	< 50 ms	< 50 ms	
Repeatability				< 3%	< 3%	< 3%	< 3%	
Short Circuit Prote	ction			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Electric Protection	23.011			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	
Protection Degree				IP67	IP67	IP67	IP67	
Cable Length					2 m		2 m	
Cable Section					2 x 0,34 mm ² 3 x 0,14 mm ² 4 x 0,25 mm ²		2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²	
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Active face				LCP	LCP	LCP	LCP	
Tightening torque				30Nm	30Nm	30Nm	30Nm	
Weight - Cable Out	put				145g		145g	
Weight - Connector				95g		95g		



LCP

30Nm

95g

LCP

30Nm

145g

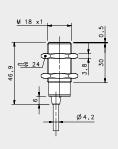
LCP

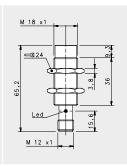
30Nm

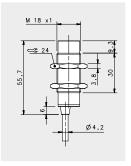
95g

LCP 30Nm

145g



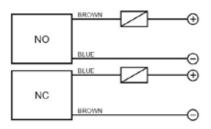




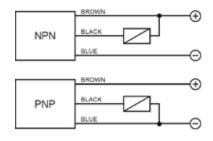
	3111		
FLL	JSH	NON F	LUSH
M12 conn	cable	M12 conn	cable
5 mm	5 mm	8 mm	8 mm
IS-18-B1-S2	IS-18-B1-03	IS-18-D1-S2	IS-18-D1-03
95B062151	95B062141	95B062551	95B062541
IS-18-B2-S2	IS-18-B2-03	IS-18-D2-S2	IS-18-D2-03
95B062171	95B062161	95B062571	95B062561
IS-18-B3-S2	IS-18-B3-03	IS-18-D3-S2	IS-18-D3-03
95B062111	95B062101	95B062511	95B062501
IS-18-B4-S2	IS-18-B4-03	IS-18-D4-S2	IS-18-D4-03
95B062131	95B062121	95B062531	95B062521
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	
			< 10%
200 mA 	200 mA 	200 mA 	200 mA
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,8 V (I=100mA)			
Yellow	Yellow	Yellow	Yellow
1000 Hz	1000 Hz	1000 Hz	1000 Hz
< 50 ms	< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads			
(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm²		3 x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
ICB	ICP	ICP	ICD

SHORT

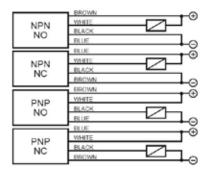
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

Amelable	Contacts numbers			
Available	3	2	3	4
NO	*		-	
NC	- 22		+	

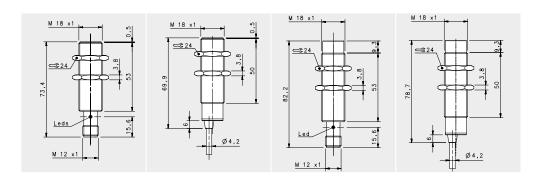
3 wires

C	ONTACTS	CONFIGU	RATION	
Available	and any house he	Contacts	numbers	911.
Available	1	2	3	4
(NO or NC)	+		-	NO/NO

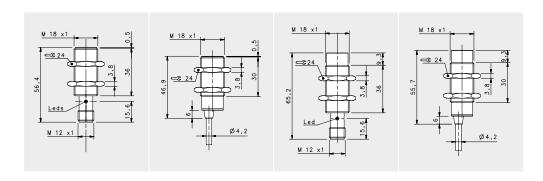
4 wires (PNP/NPN, NO/NC)

Output		Contacts	numbers	
Output	Vi111	2	- 3	4
NPN NO	+	NO		-
NPN NC	-	NC	+	-
PNP NO	+	+:	-	NO
PNP NC	-	+	+	NC

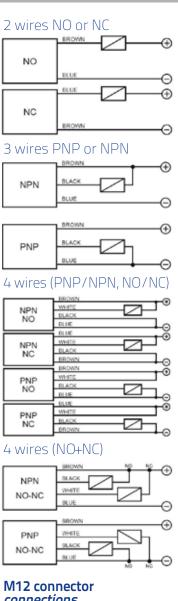




					STAND	ARD X2				
				FLU	SH	NON I	LUSH			
				M12 conn	cable	M12 conn	cable			
IOMINAL SWITCH	MINAL SWITCHING DISTANCE			8 mm		14 mm				
10-30 Vdc	PNP/NPN	4 wires		IS-18-E0-S2	IS-18-E0-03	IS-18-F0-S2	IS-18-F0-03			
10-30 Vac	NO-NC	4 WIFES	order No.	95B067310	95B067270	95B067330	95B067290			
0.207/4-	PNP	2		IS-18-E1-S2	IS-18-E1-03	IS-18-F1-S2	IS-18-F1-03			
10-30 Vdc	NO	3 wires	order No.	95B067050	95B067810	95B067040	95B067880			
0-30 Vdc	PNP	2		IS-18-E2-S2	IS-18-E2-03	IS-18-F2-S2	IS-18-F2-03			
0-30 Vac	NC	3 wires	order No.	95B067780	95B067820	95B067850	95B067890			
10 20 //4-	NPN	2		IS-18-E3-S2	IS-18-E3-03	IS-18-F3-S2	IS-18-F3-03			
0-30 Vdc	NO	3 wires	order No.	95B067790	95B067830	95B067860	95B067900			
10. 20.1/1	NPN	. .		IS-18-E4-S2	IS-18-E4-03	IS-18-F4-S2	IS-18-F4-03			
0-30 Vdc	NC	3 wires	order No.	95B067800	95B067840	95B067870	95B067910			
	PNP									
0-30 Vdc	NO-NC	4 wires	order No.							
	NPN									
10-30 Vdc	NO-NC	4 wires	order No.							
				IS-18-E9-S2	IS-18-E9-03	IS-18-F9-S2	IS-18-F9-03			
10-30 Vdc	NO-NC	2 wires	order No.	95B067320	95B067280	95B067340	95B067300			
			order 110.							
20-250 Vac/Vdc	NO 2	2 wires	order No.							
			Order 140.							
20-250 Vac/Vdc	NC	2 wires	order No.							
			order No.							
0-250 Vac	NO	2/3 wires	order No.							
	0 1		order No.							
0-30 Vdc	Analog	3 wires	3 wires	3 wires	Analog D-20 mA 3 wires	andan Na				
	0-20 IIIA		order No.							
NAMUR amplifier	NAMUR	2 wires	N -							
			order No.							
laminal Valtage				10 70 \\d-1 15 (10%)	10 20 // 15 / 15 / 10%	10 70 \\d-1 15 (10%)	10 20 \/d=/ 15 /10%\			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)			
Residual Ripple				< 10%	< 10%	< 10%	< 10%			
lysteresis				< 10%	< 10%	< 10%	< 10%			
Max. Output Curre				200 mA	200 mA	200 mA	200 mA			
Min. Output Curre	nt									
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA			
/oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)			
Operation Led				Yellow	Yellow	Yellow	Yellow			
Switching Frequer	ncy			400 Hz	400 Hz	100 Hz	100 Hz			
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms			
Repeatability				< 3%	< 3%	< 3%	< 3%			
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)			
Electric Protection	1			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa inductive loads			
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)			
Protection Degree				IP67	IP67	IP67	IP67			
able Length										
Table Section					2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²			
lousing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass			
				LCP	LCP	LCP	LCP			
				LCP	LCP	LCP	LCP			
Active face				201	20N	30N	2011~			
Active face Fightening torque Weight - Cable Out	tout			30Nm 	30Nm 	30Nm 145g	30Nm 145g			



	SHO	RT X2	
FLL			LUSH
M12 conn	cable	M12 conn	cable
8 mm	8 mm	14 mm	14 mm
0 111111	0	14 111111	
IS-18-G1-S2	IS-18-G1-03	IS-18-H1-S2	IS-18-H1-03
95B063531	95B063521	95B063611	95B063601
IS-18-G2-S2	IS-18-G2-03	IS-18-H2-S2	IS-18-H2-03
95B063551	95B063541	95B063631	95B063621
IS-18-G3-S2	IS-18-G3-03	IS-18-H3-S2	IS-18-H3-03
95B063491	95B063061	95B063571	95B063561
IS-18-G4-S2	IS-18-G4-03	IS-18-H4-S2	IS-18-H4-03
95B063511	95B063501	95B063591	95B063581
IS-18-G5-S2	IS-18-G5-03	IS-18-H5-S2	IS-18-H5-03
95B062731	95B062721	95B062811	95B064220
IS-18-G6-S2	IS-18-G6-03	IS-18-H6-S2	IS-18-H6-03
95B062711	95B064200	95B062791	95B064210
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow	Yellow	Yellow
400 Hz/100 Hz (4 wires NO-NC)	400 Hz/100 Hz (4 wires NO-NC)	400 Hz/100 Hz (4 wires NO-NC)	400 Hz/100 Hz (4 wires NO-NC)
< 75 ms	< 75 ms	< 75 ms	< 75 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +60 °C)	(-25 +70 °C)	(-25 +60 °C)	(-25 +70 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm² 4 x 0,25 mm²		3 x 0,14 mm² 4 x 0,25 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP	LCP
30Nm	30Nm	30Nm	30Nm
	145g		145g
95g		95g	
		<u>~</u>	



connections

2 wires NO or NC

Acceptance of	Contacts numbers			
AVAILABLE -	1	2	3	- 4
NO	+		1	
NC	-		+	

3 wires

C	ONTACTS	CONFIGU	RATION	
Bulletin Street		Contacts	numbers	
AVBIBDIO.	1	2	3	4
(NO or NC)	+		-	NOINC

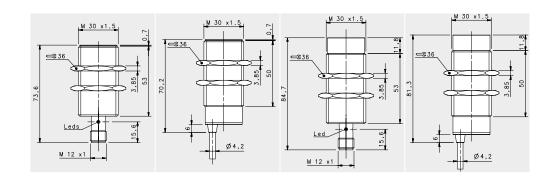
4 wires (PNP/NPN, NO/NC)

0.00		Contacts	numbers	
Output	1	2	-3	4
NPN NO	+	NO	-	-
NPN NC	-	NC.	+	-
PNP NO	+	+	-	NO
PNP NC		+	+	NO

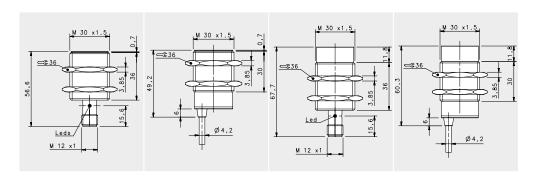
4 wires (NO+NC)

Available		Contacts	numbers	
HVBNACIN.	1.5	2	3	4
(NO+NC)	+	NC.	-5	NO





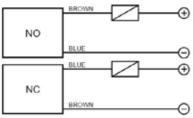
					STAN	DARD	
				FLU	JSH	NON I	FLUSH
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	IING DISTAN	CE		10 mm	10 mm	15 mm	15 mm
	PNP/NPN	l		IS-30-A0-S2	IS-30-A0-03	IS-30-C0-S2	IS-30-C0-03
10-30 Vdc	NO-NC	4 wires	order No.	95B064490	95B064460	95B064510	95B064470
10 20 1/4-	PNP	2		IS-30-A1-S2	IS-30-A1-03	IS-30-C1-S2	IS-30-C1-03
10-30 Vdc	NO	3 wires	order No.	95B061431	95B061421	95B061831	95B061821
10-30 Vdc	PNP	3 wires		IS-30-A2-S2	IS-30-A2-03	IS-30-C2-S2	IS-30-C2-03
10-30 vac	NC	2 MILE2	order No.	95B061451	95B061441	95B061851	95B061841
10-30 Vdc	NPN	3 wires		IS-30-A3-S2	IS-30-A3-03	IS-30-C3-S2	IS-30-C3-03
	NO		order No.	95B061391	95B061381	95B061791	95B061781
10-30 Vdc	NPN	3 wires		IS-30-A4-S2	IS-30-A4-03	IS-30-C4-S2	IS-30-C4-03
	NC		order No.	95B061411	95B061401	95B061811	95B061801
10-30 Vdc	PNP NO-NC	4 wires					
	-		order No.				
10-30 Vdc	NPN NO-NC	4 wires	audau Na				
	IVO-IVC		order No.	IS-30-A9-S2	IS-30-A9-03	IS-30-C9-S2	IS-30-C9-03
10-30 Vdc	NO-NC	2 wires	order No.	95B064570	95B064530	95B064590	95B064550
			order No.	335004370			330004330
20-250 Vac/Vdc	NO	2 wires	order No.				
			order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
			order rior				
20-250 Vac	NO	2/3 wires	order No.				
	Analog	3 wires					
10-30 Vdc	0-20 mA		order No.				
NIANALID III	NAMES	. .					
NAMUR amplifier	NAMUR	2 wires	order No.				
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%	< 10%
Max. Output Currer				200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)
Min. Output Curre	nt			> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)
Residual Current				< 1,6 mA < 1,8V; < 6,5 V (2wires)	< 1,6 mA < 1,8V; < 6,5 V (2wires)	< 1,6 mA < 1,8V; < 6,5 V (2wires)	< 1,6 mA < 1,8V; < 6,5 V (2wires)
Voltage Drop Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Frequer	ncv			300 Hz/250 Hz (2 wires NO-NC)			
Start Up Delay	icy			< 50 ms	< 50 ms	< 50 ms	< 50 ms
Repeatability				< 3%	< 3%	< 3%	< 3%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67	IP67
Cable Length					2 m		2 m
Cable Section					2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP	LCP
Tightening torque				60Nm	60Nm	60Nm	60Nm
Weight - Cable Out	put				210 g		210 g
Weight - Connector	•			170 g		170 g	



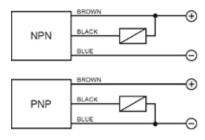
	SH	ORT	
FLL	JSH	NON F	LUSH
M12 conn	cable	M12 conn	cable
10 mm	10 mm	15 mm	15 mm
IS-30-B1-S2	IS-30-B1-03	IS-30-D1-S2	IS-30-D1-03
95B062231	95B062221	95B062631	95B062621
IS-30-B2-S2	IS-30-B2-03	IS-30-D2-S2	IS-30-D2-03
95B062251	95B062241	95B062651	95B062641
IS-30-B3-S2	IS-30-B3-03	IS-30-D3-S2	IS-30-D3-03
95B062191	95B062181	95B062591	95B062581
IS-30-B4-S2	IS-30-B4-03	IS-30-D4-S2	IS-30-D4-03
95B062211	95B062201	95B062611	95B062601
40.2011 / 45.440%	40.20.1/1./.45/40%	10.2011 / 15/100)	40 2011 / 45 (40%)
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,8 V (I=100mA)			
Yellow	Yellow	Yellow 300 Hz	Yellow
300 Hz < 50 ms	300 Hz	< 50 ms	300 Hz
< 3%	< 50 ms < 3%	< 3%	< 50 ms < 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
			-
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm²		3 x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP	LCP
60Nm	60Nm	60Nm	60Nm
	210 g		210 g
170 α		170 g	

170 g

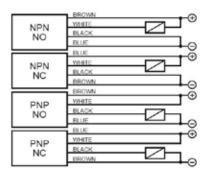
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

*	Contacts numbers				
Available	3	2	3	4	
NO	*		-		
NC	100		+		

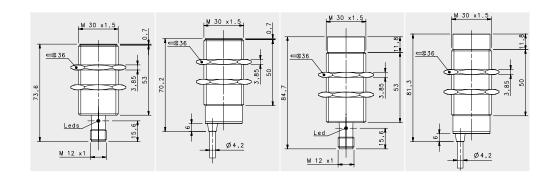
3 wires

C	ONTACTS	CONFIGU	RATION	
Available		Contacts	numbers	95V
Available	-1	2	3	4
(NO or NC)	+		-	NO/NO

4 wires (PNP/NPN, NO/NC)

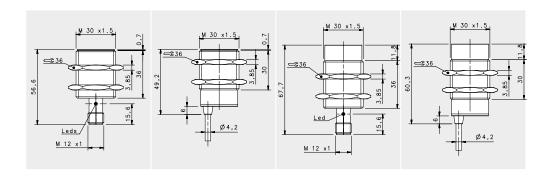
Walter I		Contacts	numbers	
Output	11	2	- 3	4
NPN NO	+	NO	-23	-
NPN NC	-	NC	+	-
PNP NO	+ .	+		NO
PNP NC	-	+	+	NO



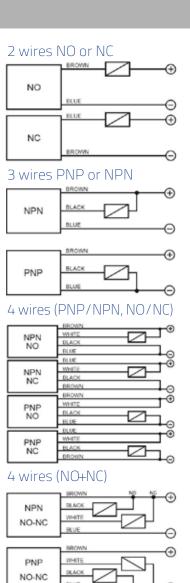


STANDARD X2

				FLU	JSH	NON-FLUSH	
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	IING DISTANO	CE		15mm	15mm	20 mm	20 mm
	PNP/NPN	l		IS-30-E0-S2	IS-30-E0-03	IS-30-F0-S2	IS-30-F0-03
10-30 Vdc	NO-NC	4 wires	order No.	95B067390	95B067350	95B067410	95B067370
	PNP			IS-30-E1-S2	IS-30-E1-03	IS-30-F1-S2	IS-30-F1-03
10-30 Vdc	NO	3 wires	order No.	95B067060	95B067950	95B067990	95B068030
	PNP		order No.	IS-30-E2-S2	IS-30-E2-03	IS-30-F2-S2	IS-30-F2-03
10-30 Vdc	NC	3 wires	order No.	95B067920	95B067960	95B068000	95B068040
	-		order No.	IS-30-E3-S2	IS-30-E3-03	IS-30-F3-S2	IS-30-F3-03
10-30 Vdc	NPN NO	3 wires	order No.	95B067930	95B067970	95B068010	95B068050
	-		order No.		IS-30-E4-03		
10-30 Vdc	NPN NC	3 wires	audau Na	IS-30-E4-S2 95B067940	95B067980	IS-30-F4-S2 95B068020	IS-30-F4-03 95B068060
			order No.				
10-30 Vdc	PNP NC	4 wires					
	NO-NC		order No.				
10-30 Vdc	NPN	4 wires					
	NO-NC		order No.				
10-30 Vdc	NO-NC	2 wires		IS-30-E9-S2	IS-30-E9-03	IS-30-F9-S2	IS-30-F9-03
		2	order No.	95B067400	95B067360	95B067420	95B067380
20-250 Vac/Vdc	NO	2 wires					
20 250 vac, vac	140	2 Wiles	order No.				
20-250 Vac/Vdc	NC	2 wires					
20 230 vac/ vac	IVC	2 WIICS	order No.				
20-250 Vac	NO	2/3wires					
20-250 vac	NO	2/3 WILES	order No.				
10. 20 1/4-	Analog	2					
10-30 Vdc	0-20 mA	3 wires	order No.				
NIANALID lifi	NAMUD	2					
NAMUR amplifier	NAMUR	2 wires	order No.				
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
•				< 10%		< 10%	
Residual Ripple				-	< 10%	< 10%	< 10% < 10%
Hysteresis				< 10%	< 10%		
Max. Output Currer				200 mA	200 mA	200 mA	200 mA
Min. Output Curre	nt						
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA
Voltage Drop				< 6,5 V (I=100mA)	< 6,5 V (I=100mA)	< 6,5 V (I=100mA)	< 6,5 V (I=100mA)
Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Frequer	ncy			200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-N
Start Up Delay				< 75 ms	< 75 ms	< 75 ms	< 75 ms
Repeatability				< 3%	< 3%	< 3%	< 3%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67	IP67
Cable Length							
Cable Section					2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²		2 x 0,34 mm² 3 x 0,14 mm² 4 x 0,25 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP	LCP
Tightening torque				60Nm	60Nm	60Nm	60Nm
Weight - Cable Out							
Welgii - Lanie Liii	DUT						



	SHO	RT X2		
FLU	SH	NON FLUSH		
M12 conn	cable	M12 conn	cable	
15mm	15mm	20 mm	20 mm	
IS-30-G1-S2	IS-30-G1-03	IS-30-H1-S2	IS-30-H1-03	
95B063691	95B063681	95B063771	95B063761	
IS-30-G2-S2	IS-30-G2-03	IS-30-H2-S2	IS-30-H2-03	
95B063711	95B063701	95B063791	95B063781	
IS-30-G3-S2	IS-30-G3-03	IS-30-H3-S2	IS-30-H3-03	
95B063651	95B063641	95B063731	95B063721	
IS-30-G4-S2	IS-30-G4-03	IS-30-H4-S2	IS-30-H4-03	
95B063671	95B063661	95B063751	95B063741	
IS-30-G5-S2	IS-30-G5-03	IS-30-H5-S2	IS-30-H5-03	
95B063831	95B063821	95B064450	95B064420	
IS-30-G6-S2	IS-30-G6-03	IS-30-H6-S2	IS-30-H6-03	
95B064430	95B064400	95B064440	95B064410	
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
< 10%	< 10%	< 10%	< 10%	
< 10%	< 10%	< 10%	< 10%	
200 mA	200 mA	200 mA	200 mA	
< 10 mA	< 10 mA	< 10 mA	< 10 mA	
< 1,2 V (I=100mA)				
Yellow	Yellow	Yellow	Yellow	
200 Hz	200 Hz	200 Hz	200 Hz	
< 75 ms	< 75 ms	< 75 ms	< 75 ms	
< 3%	< 3%	< 3%	< 3%	
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Against polarity reversal inductive loads				
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
IP67	IP67	IP67	IP67	
	2 m		2 m	
	3 x 0,14 mm² 4 x 0,25 mm²		3 x 0,14 mm² 4 x 0,25 mm²	
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
LCP	LCP	LCP	LCP	
60Nm	60Nm	60Nm	60Nm	
	210 g		210 g	
170 g		170 g		



M12 connector connections

2 wires NO or NC

	CONTACTS	CONFIGU	RATION		
Available	Contacts numbers				
	1	2	3	4	
NO	+	~~	-		
NC			+		

3 wires

C	ONTACTS	CONFIGU	RATION		
Available	Contacts numbers				
	1	2	3	4	
(NO or NC)	+		+	NOING	

4 wires (PNP/NPN, NO/NC)

Output	Contacts numbers				
	1	2	-3	4	
NPN NO	+	NO	-	-	
NPN NC	-	NC.	+	-	
PNP NO	+	+	-	NO	
PNP NC		+	+	NO	

4 wires (NO+NC)

Available	Contacts numbers				
	- 1	2	3	4	
(NO+NC)	+	NC.	-	NO	