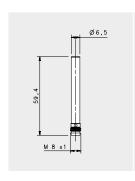
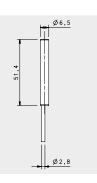
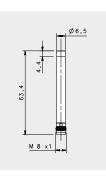
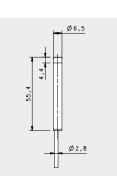
BASIC M6.5



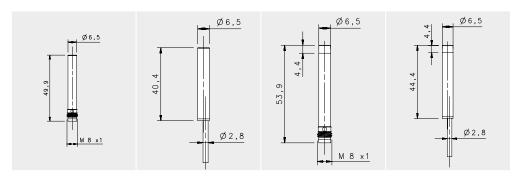






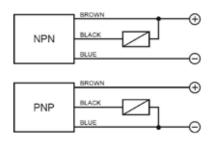


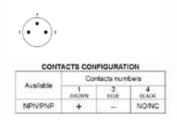
					STAN	DARD	
				FLL	JSH	NON I	LUSH
				M8 conn	cable	M8 conn	cable
IOMINAL SWITCH	IING DISTAN	CE		1,5 mm	1,5 mm	2 mm	2 mm
10-30 Vdc	PNP/NPN	4 wires					
	NO-NC		order No.				
10-30 Vdc	PNP	3 wires		IS-65-A1-S1	IS-65-A1-03	IS-65-C1-S1	IS-65-C1-03
	NO	5 Wiles	order No.	95B066050	95B064730	95B066210	95B064890
0-30 Vdc	PNP	3 wires		IS-65-A2-S1	IS-65-A2-03	IS-65-C2-S1	IS-65-C2-03
10 30 Vac	NC	J WIICS	order No.	95B066090	95B064770	95B066250	95B066300
10-30 Vdc	NPN	3 wires		IS-65-A3-S1	IS-65-A3-03	IS-65-C3-S1	IS-65-C3-03
10 30 vac	NO	J WIICS	order No.	95B064970	95B064650	95B066130	95B064810
10-30 Vdc	NPN	3 wires		IS-65-A4-S1	IS-65-A4-03	IS-65-C4-S1	IS-65-C4-03
10-30 Vac	NC	5 WILES	order No.	95B066010	95B064690	95B066170	95B064850
10 30 //4-	PNP	/iuaa					
10-30 Vdc	NO-NC	4 wires	order No.				
10.2014	NPN	, t					
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.				
			0.00.100				
20-250 Vac/Vdc	NC	2 wires	order No.				
		NO 2/3wires	order No.				
20-250 Vac	NO		order No.				
		order No.					
10-30 Vdc	Analog 0-20 mA	3 wires	order No				
	0 ZOTTA		order No.				
NAMUR amplifier	NAMUR	2 wires	order No.				
			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%	< 10%	< 10%
Residual Ripple				< 10%	< 10%	< 10%	< 10%
Hysteresis							
Max. Output Curre				200 mm	200 mA	200 mm	200 mA
Min. Output Curre	int						
Residual Current				< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA
Voltage 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	ncy			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	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa 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					3x 0,14 mm²		3x 0,14 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active Face				LCP	LCP	LCP	LCP
Tightening torque							
Weight - Cable Out	tput				80 g		80 g
Weight - Connecto	•			40 g		40 g	



	SH	ORT	
FLU	JSH	NON F	LUSH
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
	950004710		
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
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)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
(-23 +70 °C)	IP67	(-25 +70 °C)	IP67
IPO/ 	2 m	IP0/ 	2 m
	2 m 3 x 0,14 mm²		2 m 3 x 0,14 mm²
Nickel plated brace		Nickel plated brace	
Nickel-plated brass LCP	Nickel-plated brass LCP	Nickel-plated brass LCP	Nickel-plated brass LCP
	80 g		80 g
40 g		40 g	

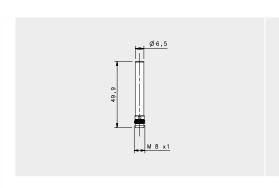
3 wires PNP or NPN

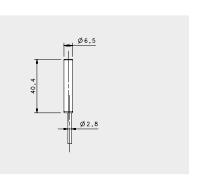




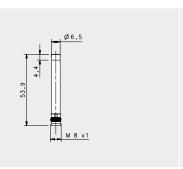
BASIC M6.5

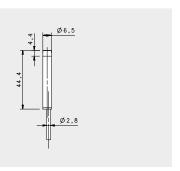






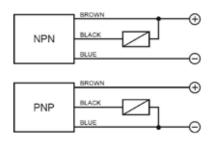
				SHOR	RT X2			
				FLUS	SH			
				M8 conn	cable			
OMINAL SWITCH	HING DISTANCE			2 mm	2 mm			
0.201/1	PNP/NPN ,							
0-30 Vdc	NO-NC	4 wires	order No.					
0.707/4-	PNP _	3 wires	2		<u>.</u>		IS-65-G1-S1	IS-65-G1-03
0-30 Vdc	NO 3	3 wires	order No.	95B066060	95B064740			
0-30 Vdc	PNP _	3 wires		IS-65-G2-S1	IS-65-G2-03			
0-30 VuC	NC -	5 WII eS	order No.	95B066100	95B064780			
0-30 Vdc	NPN _	3 wires		IS-65-G3-S1	IS-65-G3-03			
0-30 vac	NO	o wires	order No.	95B064980	95B064660			
0-30 Vdc	NPN _	3 wires		IS-65-G4-S1	IS-65-G4-03			
J-30 Vuc	NC -	o wires	order No.	95B066020	95B064700			
0-30 Vdc	PNP NO-NC	4 wires	order No.					
			order No.					
0-30 Vdc	NPN NO-NC	4 wires	order No.					
			order No.					
0-30 Vdc	NO-NC 2	2 wires	order No.					
			order ivo.					
0-250 Vac/Vdc	NO 2	2 wires	order No.					
			order ivo.					
0-250 Vac/Vdc	NC 2	2 wires	order No.					
			order ito:					
0-250 Vac	NO Z	2/3 wires	order No.					
	Analog 0-20 mA	nalog a .						
0-30 Vdc		3 wires	order No.					
IANALID III	NAMED		<u>.</u>					
IAMUR amplifier	fier NAMUR 2 wires		order No.					
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)			
esidual Ripple				< 10%	< 10%			
ysteresis				< 10%	< 10%			
lax. Output Curre				200 mA	200 mA			
Min. Output Curre	ent							
esidual Current				< 10 mA	< 10 mA			
oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)			
peration Led	201			Yellow 500 Hz	Yellow			
witching Frequer	псу			< 75 ms	500 Hz < 75 ms			
tart Up Delay epeatability				< 3%	< 3%			
hort Circuit Prote	action			Present (self-resetting)	Present (self-resetting)			
nort circuit Frote	ection			-	•			
lectric Protection	1			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			
ctive face				LCP	LCP			
ightening torque								
Veight - Cable Out					80 g			
Weight - Connecto	r Uutput			40 g				





SHO	RT X 2
	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)	(-25 +70 °C)
IP67	IP67
	2 m 3 x 0,14 mm²
 Nickel-plated brass	3 x 0,14 mm Nickel-plated brass
LCP	LCP
	80 g
40 g	

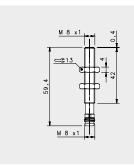
3 wires PNP or NPN

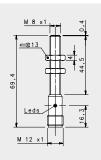


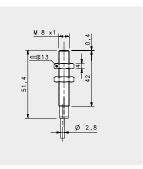


CONT	ACTS CON	FIGURAT	ION
1271222	Con	tacts non	bers
Available	1 BROWN	3 HUE	HACK
NPN/PNP	+		NO/NC

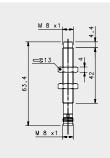


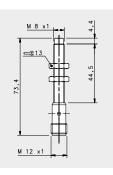


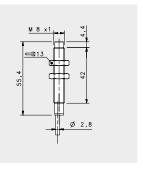




					STANDARD		
					FLUSH		
				M8 conn	M12 conn	cable	
OMINAL SWITCH	IING DISTANC	Ε		1,5 mm	1,5 mm	1,5 mm	
10 20 1/4-	PNP/NPN	/dus-					
10-30 Vdc	NO-NC	4 wires	order No.				
0.201/1	PNP	<u>.</u> .		IS-08-A1-S1	IS-08-A1-S2	IS-08-A1-03	
0-30 Vdc	NO	3 wires	order No.	95B061141	95B061131	95B061121	
10. 70.1/1-	PNP	3		IS-08-A2-S1	IS-08-A2-S2	IS-08-A2-03	
10-30 Vdc	NC	3 wires	order No.	95B061171	95B061161	95B061151	
10. 20.1/4-	NPN	3		IS-08-A3-S1	IS-08-A3-S2	IS-08-A3-03	
0-30 Vdc	NO	3 wires	order No.	95B061081	95B061071	95B061061	
0.201/4-	NPN	3		IS-08-A4-S1	IS-08-A4-S2	IS-08-A4-03	
0-30 Vdc	NC	3 wires	order No.	95B061111	95B061101	95B061091	
0.20141	PNP	, .					
0-30 Vdc	NO-NC	4 wires	order No.				
0.2074-	NPN	/ sade					
0-30 Vdc	NO-NC	4 wires	order No.				
10.207/45	NO NC	2 min					
0-30 Vdc	NO-NC	2 wires	order No.				
0. 250 1/ /1/-	NO	2					
20-250 Vac/Vdc	NO	2 wires	order No.				
20. 250 1/ /1/-	NC	2					
20-250 Vac/Vdc	NC	2 wires	order No.				
0.2501/	NO 2/2im	2/2 :					
0-250 Vac	NO	2/3 wires	order No.				
0.201/4-	Analog 0-20 mA 3 wires						
0-30 Vdc			order No.				
JAMUD lifi	NAMED	MIID 2inaa	MIID 2 wires				
IAMUR amplifier	r NAMUR 2 wires		order No.				
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
esidual Ripple				< 10%	< 10%	< 10%	
lysteresis				< 10%	< 10%	< 10%	
/lax. Output Curre	nt			200mA	200mA	200mA	
Min. 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)	
peration Led				Yellow	Yellow	Yellow	
Switching Frequer	тсу			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	1			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
rotection Degree				IP67	IP67	IP67	
able Length						2 m	
Table Section						3x 0,14 mm²	
lousing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Active face				LCP	LCP	LCP	
Fightening torque				4Nm	4Nm	4Nm	
Neight - Cable Out	nut			HIVIII	+tVIII	80 g	
Weight - Cable Out Weight - Connecto				35g	55g		



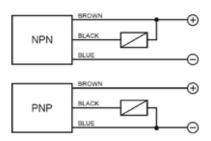




	STANDARD	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
		
IS-08-C1-S1	IS-08-C1-S2	IS-08-C1-03
95B061541	95B061531	95B061521
IS-08-C2-S1	IS-08-C2-S2	IS-08-C2-03
95B061571	95B061561	95B061551
IS-08-C3-S1	IS-08-C3-S2	IS-08-C3-03
95B061481	95B061471	95B066410
IS-08-C4-S1	IS-08-C4-S2	IS-08-C4-03
95B061511	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

55g

3 wires PNP or NPN



M123 pole

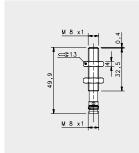


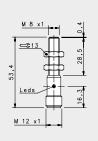
Available		Contacts	numbers	
Available	1	2	3	4
(NO or NC)	+		777	NOING

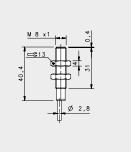


27.2522.01	Contacts numbers				
Available	1 BROWN	3 HUE	HACK		
NPN/PNP	+		NO/NO		

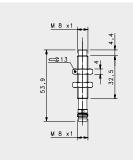


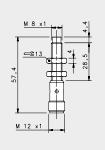


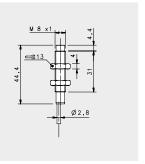




					SHORT	
					FLUSH	
				M8 conn	M12 conn	cable
IOMINAL SWITCH	IING DISTANO	CE		1,5 mm	1,5 mm	1,5 mm
10-30 Vdc	PNP/NPN	4 wires				
10-30 Vuc	NO-NC	4 WITES	order No.			
10-30 Vdc	PNP	3 wires		IS-08-B1-S1	IS-08-B1-S2	IS-08-B1-03
10 30 vac	NO	5 Wiles	order No.	95B066860	95B066590	95B061921
10-30 Vdc	PNP	3 wires		IS-08-B2-S1	IS-08-B2-S2	IS-08-B2-03
	NC		order No.	95B066890	95B066620	95B061951
10-30 Vdc	NPN	3 wires		IS-08-B3-S1	IS-08-B3-S2	IS-08-B3-03
	NO		order No.	95B066810	95B066530	95B061861
10-30 Vdc	NPN	3 wires		IS-08-B4-S1	IS-08-B4-S2	IS-08-B4-03
	NC		order No.	95B066830	95B066560	95B061891
10-30 Vdc	PNP NO-NC	4 wires	order No.			
	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.			
10. 201/1	Analog 0-20 mA	alog				
10-30 Vdc		3 wires	order No.			
NAMID amplifies	NAMID	NAMIID 2 wires				
NAMUR amplifier	IUR 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	IIL					
Residual Current				< 10 mA	< 10 mA	< 10 mA
Voltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led Switching Frequer	2614			Yellow 1000 Hz	Yellow 1000 Hz	Yellow 1000 Hz
•	icy			< 50 ms	< 50 ms	
Start Up Delay Repeatability				< 3%	< 3%	< 50 ms < 3%
Repeatability Short Circuit Prote	action			Yresent (self-resetting)	Yresent (self-resetting)	Present (self-resetting)
onore circuit Fible	.ccioii			. 5		
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Геmperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67
Cable Length						2 m
Cable Section						3 x 0,14 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP
Fightening torque				4Nm	4Nm	4Nm
Weight - Cable Out	•					80 g
Weight - Connecto	r Output			35g	55g	



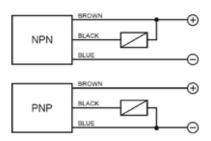




	SHORT	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-D1-S1	IS-08-D1-S2	IS-08-D1-03
95B066970	95B066700	95B062321
IS-08-D2-S1	IS-08-D2-S2	IS-08-D2-03
95B067000	95B066720	95B062351
IS-08-D3-S1	IS-08-D3-S2	IS-08-D3-03
95B066920	95B066650	95B066430
IS-08-D4-S1	IS-08-D4-S2	IS-08-D4-03
95B066940	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

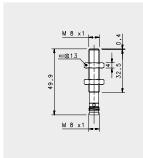


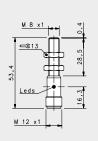
Available		Contacts	numbers	
Available	1	2	3	4
(NO or NC)	+		777	NOING

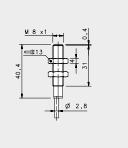


.000.000.00	Contacts numbers			
Available	1 IROWN	3 HUE	HACK	
NPN/PNP	+	=	NO/NO	

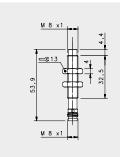


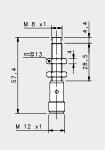


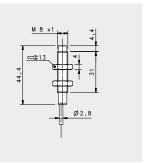




					SHORT X2				
					FLUSH				
				M8 conn	M12 conn	cable			
OMINAL SWITCH	IING DISTAN	CE		2 mm	2 mm	2 mm			
10 20 1/4-	PNP/NPN	/inaa							
0-30 Vdc	NO-NC	4 wires	order No.						
0-30 Vdc	PNP	3 wires		IS-08-G1-S1	IS-08-G1-S2	IS-08-G1-03			
0-30 vac	NO	5 WIIES	order No.	95B066850	95B066580	95B066370			
0-30 Vdc	PNP	3 wires		IS-08-G2-S1	IS-08-G2-S2	IS-08-G2-03			
0-30 vac	NC	2 Miles	order No.	95B066880	95B066610	95B066390			
0-30 Vdc	NPN	3 wires		IS-08-G3-S1	IS-08-G3-S2	IS-08-G3-03			
o so vac	NO	J WIICS	order No.	95B066800	95B066520	95B066330			
0-30 Vdc	NPN	3 wires		IS-08-G4-S1	IS-08-G4-S2	IS-08-G4-03			
o so vac	NC	J WIICS	order No.	95B063131	95B066550	95B066350			
0-30 Vdc	PNP NO-NC	4 wires	andan Na						
			order No.						
0-30 Vdc	NPN NO-NC	4 wires	order No		 				
	INO INC		order No.		 				
0-30 Vdc	NO-NC	2 wires	order No.		 				
			order No.						
0-250 Vac/Vdc	NO	2 wires	order No.						
			order No.						
0-250 Vac/Vdc	c/Vdc NC 2 wires		order No.						
			order No.						
0-250 Vac	NO	2/3 wires	order No.						
	dc Analog 3		order no.						
0-30 Vdc		mA 3 wires	order No.						
					<u>.</u>				
NAMUR amplifier NAMUR		2 wires	order No.						
Iominal 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%			
Лах. Output Curre	nt			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)			
peration Led				Yellow	Yellow	Yellow			
witching Frequer	ncy			500 Hz	500 Hz	500 Hz			
itart Up Delay				< 75 ms	< 75 ms	< 75 ms			
Repeatability				< 3%	< 3%	< 3%			
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)			
lectric Protection	1			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads			
Temperature 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			
Veight - Cable Out						80 g			
Weight - Connecto	r Output			35g	55g				

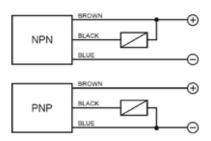






M8 conn		SHORT X2	
M8 conn			
3 mm 3 mm 15-08-H1-51 15-08-H1-52 15-08-H1-52 958066990 958066600 958066600 958066600 958066000 15-08-H3-51 958066900 958066000 15-08-H3-51 958066900 958066000 15-08-H3-51 958066900 958066000 15-08-H3-51 958066000 15-08-H3-51 15-08-H3-52 15-08-H3-03 95806620 15-08-H4-51 15-08-H3-52 15-08-H4-03 958063251 958063241 95806620 15-08-H4-03 958063251 958063241 958066260 -		NON FLUSH	
15-08-H1-51 15-08-H1-52 15-08-H1-03 95806660 95806660 95806660 95806660 95806660 95806660 95806660 95806660 95806660 95806660 95806660 958066600 958066600 958066600 958066600 958066600 958066600 958066020 15-08-H3-51 15-08-H3-52 15-08-H3-03 95806620 95806620 95806620 15-08-H4-03 958063251 958063241 95806620 95806620 15-08-H4-03 958063251 958063241 95806660 15-08-H4-03 958063251 958063241 95806660 15-08-H4-03 95806620 15-08-H4-03 15-08-H4-03 95806620 15-08-H4-03 95806620 15-08-H4-03 15-08-H4-	M8 conn	M12 conn	cable
IS-08-H1-51	3 mm	3 mm	3 mm
IS-08-H1-51			
95B06690 95B06690 95B06680 95B06680 15-08-H2-51 15-08-H2-52 15-08-H2-03 95B06690 95B06690 95B06690 95B06690 95B06660 95B066600 95B066600 95B066600 95B066600 95B066600 95B066600 95B066600 95B066600 95B066000 15-08-H4-51 15-08-H4-52 15-08-H4-03 95B063251 95B063251 95B063241 95B066400 95B066000 95B066000 95B066000 95B063251 95B063251 95B063241 95B066000 95B063251 95B063251 95B063241 95B066000 95B063251 95B063251 95B063241 95B06600 95B063251 95B066420 95B063251 95B066420 95B0			
IS-08-H2-S1	IS-08-H1-S1	IS-08-H1-S2	IS-08-H1-03
95B066990 95B063301 95B066500 IS-08-H3-S1 IS-08-H3-S2 IS-08-H3-03 95B066910 95B066640 95B066620 IS-08-H4-S1 IS-08-H4-S2 IS-08-H4-03 95B063251 95B063241 95B066460	95B066960	95B066690	95B066480
IS-08-H3-51	IS-08-H2-S1	IS-08-H2-S2	IS-08-H2-03
95B066910 95B066640 95B066420	95B066990	95B063301	95B066500
IS-08-H4-51	IS-08-H3-S1	IS-08-H3-S2	IS-08-H3-03
958063251 958063241 958066460	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			
10-30 Vdc (-15/10%) 10-30			
10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%) 10% 10% 10% 10% 10% 10% 10% 10% 10% 10%			
< 10%			
< 10%	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%			
200mA 200mA 200mA < 10 mA			
< 1,2 V (I=100mA)			
< 1,2 V (I=100mA)	< 10 mA	< 10 mA	< 10 mA
Yellow Yellow Yellow 500 Hz 500 Hz 500 Hz < 75 ms			
500 Hz 500 Hz 500 Hz < 75 ms	, , ,		
< 75 ms			
< 3%		< 75 ms	
Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67			
Against polarity reversal inductive loads inductive loads inductive loads (-25 +60 °C) (-25 +60 °C) (-25 +70 °C) IP67 IP67 IP67 IP67 2 m			
(-25 +60 °C)	Against polarity reversal	Against polarity reversal	Against polarity reversal
IP67 IP67 IP67 2 m			
2 m			
5 x 0,14 IIIII			3 x 0,14 mm²
Nickel-plated brass Nickel-plated brass Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
LCP LCP LCP		·	
4Nm 4Nm 4Nm			
80 g			
35g 55g	35g	55g	_

3 wires PNP or NPN



M123 pole

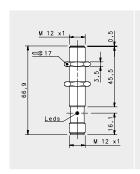


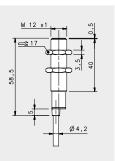
Available	Contacts numbers			
Available	1	2	3	4
(NO or NC)	+		77/	NOING

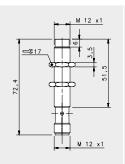


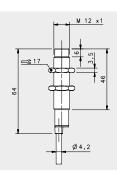
.000.000.00	Contacts numbers			
Available	1 IROWN	3 HUE	HACK	
NPN/PNP	+	=	NO/NO	



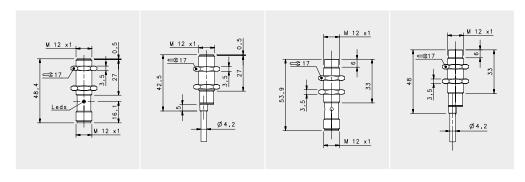








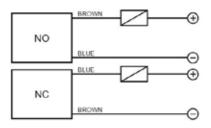
				STANDARD			
				FLI	JSH	NON I	FLUSH
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	ING DISTAN	CE		2 mm	2 mm	4 mm	4 mm
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.	IS-12-A0-S2 95B064060	IS-12-A0-03 95B064030	IS-12-C0-S2 95B064080	IS-12-C0-03 95B064040
10-30 Vdc	PNP	3 wires		IS-12-A1-S2	IS-12-A1-03	IS-12-C1-S2	IS-12-C1-03
	NO PNP		order No.	95B061251 IS-12-A2-S2	95B061241 IS-12-A2-03	95B061651 IS-12-C2-S2	95B061641 IS-12-C2-03
10-30 Vdc	NC	3 wires	order No.	95B061281	95B061271	95B061681	95B061671
10-30 Vdc	NPN NO	3 wires	order No.	IS-12-A3-S2 95B061191	IS-12-A3-03 95B061181	IS-12-C3-S2 95B061591	IS-12-C3-03 95B061581
10-30 Vdc	NPN NC	3 wires		IS-12-A4-S2	IS-12-A4-03	IS-12-C4-S2	IS-12-C4-03
	PNP		order No.	95B061221 	95B061211 	95B061621 	95B061611
10-30 Vdc	NO-NC	4 wires	order No.				
10-30 Vdc	NPN NO-NC	4 wires	order No.				
			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.				
		_	order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
20-250 Vac	NO	2/3wires	N -				
	A1		order No.				
10-30 Vdc	Analog 0-20 mA	3 wires	order No.				
NAMED 1:6:	NAMED	.					
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	nt			200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)
Min. Output Curre				> 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 Frequer	тсу			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	



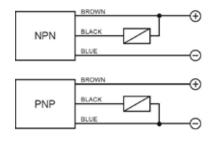
	SH	ORT	
FLL	JSH	NON F	FLUSH
M12 conn	cable	M12conn	cable
2 mm	2 mm	4 mm	4 mm
IS-12-B1-S2	IS-12-B1-03	IS-12-D1-S2	IS-12-D1-03
95B062051	95B062041	95B062451	95B062441
IS-12-B2-S2	IS-12-B2-03	IS-12-D2-S2	IS-12-D2-03
95B062081	95B062071	95B062481	95B062471
IS-12-B3-S2	IS-12-B3-03	IS-12-D3-S2	IS-12-D3-03
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 a		60 a	

60 g

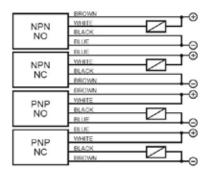
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

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

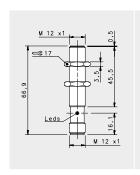
3 wires

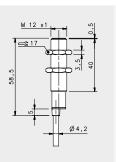
C	ONTACTS	CONFIGU	RATION		
Available	Contacts numbers				
Average e	1	2	3	4	
(NO or NC)	+		-	NOINC	

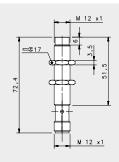
4 wires (PNP/NPN_NO/NC)

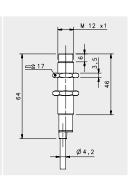
Output	Selforters.	Contacts	numbers	
Output	11	2	- 3	4
NPN NO	+	NO	-23	-
NPN NC	-	NC	+	-
PNP NO	+	+	-	NO
PNP NC	-	+	+	NC



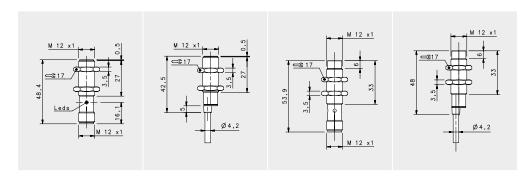




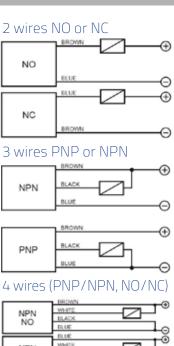


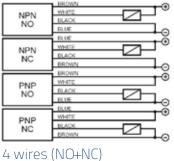


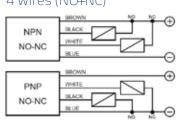
					STAND	ARD X2	
				FLI	JSH	NON I	FLUSH
				M12 conn	cable	M12 conn	cable
IOMINAL SWITCH	IING DISTAN	CE		4 r	mm	8 r	nm
10-30 Vdc	PNP/NPN	4 wires		IS-12-E0-S2	IS-12-E0-03	IS-12-F0-S2	IS-12-F0-03
10-30 vac	NO-NC	4 WIIES	order No.	95B067230	95B067190	95B067250	95B067210
10-30 Vdc	PNP	3 wires		IS-12-E1-S2	IS-12-E1-03	IS-12-F1-S2	IS-12-F1-03
10-30 vac	NO	5 WIIES	order No.	95B067030	95B067670	95B067020	95B067740
10-30 Vdc	PNP	2 wires		IS-12-E2-S2	IS-12-E2-03	IS-12-F2-S2	IS-12-F2-03
10-50 vac	NC	3 wires	order No.	95B067640	95B067680	95B067710	95B067750
10 20 Vdc	NPN	2 wires		IS-12-E3-S2	IS-12-E3-03	IS-12-F3-S2	IS-12-F3-03
10-30 Vdc	NO	3 wires	order No.	95B067650	95B067690	95B067720	95B067760
40 2014-	NPN	2		IS-12-E4-S2	IS-12-E4-03	IS-12-F4-S2	IS-12-F4-03
10-30 Vdc	NC	3 wires	order No.	95B067660	95B067700	95B067730	95B067770
40.20141	PNP	. .					
10-30 Vdc	NO-NC	4 wires	order No.				
	NPN						
10-30 Vdc	NO-NC	4 wires	order No.				
				IS-12-E9-S2	IS-12-E9-03	IS-12-F9-S2	IS-12-F9-03
10-30 Vdc	NO-NC	2 wires	order No.	95B067240	95B067200	95B067260	95B067220
20-250 Vac/Vdc	NO	NO 2 wires	order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
			0.00.110.				
20-250 Vac	NO	2/3 wires	order No.				
	Analog		order ivo.				
10-30 Vdc	Analog 0-20 mA	A 3 wires	order No.				
			order ivo.				
NAMUR amplifier	NAMUR	2 wires	order No.				
			0.00.110.				
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			100 mA	100 mA	100 mA	100 mA
Min. Output Curre							100 IIIA
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA
Voltage 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)CV			500 Hz/200 Hz (2 wires NO-NC)	500 Hz/200 Hz (2 wires NO-NC)		
0 .	icy				, ,	400 Hz/200 Hz (2 wires NO-NC)	400 Hz/200 Hz (2 wires NO-No
Start Up Delay				< 75 ms	< 75 ms < 3%	< 75 ms < 3%	< 75 ms < 3%
Repeatability	abla a			-			
Short Circuit Prote	LLION			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				10Nm			10Nm
	nut			TUNITI	10Nm 	10Nm 	10NIII
Weight - Cable Out							
Weight - Connector	output			60 g	60 g	60 g	60 g



SHORT X2								
FLU	JSH	NON 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.)	> 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					
500 Hz/200 Hz (4 wires NO-NC)	500 Hz/200 Hz (4 wires NO-NC)	500 Hz/200 Hz (4 wires NO-NC)	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	Against polarity reversal	Against polarity reversal	Against polarity reversal					
inductive loads	inductive loads	inductive loads	inductive loads					
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)					
IP67	IP67	IP67	IP67					
	2 m 3 x 0,14 mm² 4 x 0,25 mm²		2 m 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	
Available		Contacts	numbers	
	1	2	3	4
(NO or NC)	+		-	NOING

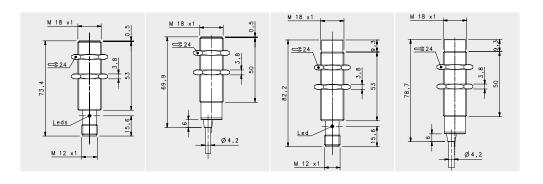
4 wires (PNP/NPN, NO/NC)

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)

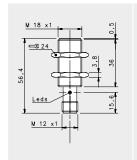
		Contacts	numbers	
Available	1	2	3	- 4
(NO+NC)	+	NC:	-	NO





STANDARD

				FLUSH		NON FLUSH		
				M12 conn	cable	M12 conn	cable	
IOMINAL SWITCH	IING DISTAN	CE		5 mm	5 mm	8 mm	8 mm	
	PNP/NPN			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	
	PNP			IS-18-A1-S2	IS-18-A1-03	IS-18-C1-S2	IS-18-C1-03	
10-30 Vdc	NO	3 wires	order No.	95B061351	95B061341	95B061751	95B061741	
	PNP			IS-18-A2-S2	IS-18-A2-03	IS-18-C2-S2	IS-18-C2-03	
10-30 Vdc	NC	3 wires	order No.	95B061371	95B061361	95B061771	95B061761	
	NPN			IS-18-A3-S2	IS-18-A3-03	IS-18-C3-S2	IS-18-C3-03	
10-30 Vdc	NO	3 wires	order No.	95B061311	95B061301	95B061711	95B061701	
	NPN			IS-18-A4-S2	IS-18-A4-03	IS-18-C4-S2	IS-18-C4-03	
10-30 Vdc	NC	3 wires	order No.	95B061331	95B061321	95B061731	95B061721	
	PNP		order ivo.					
10-30 Vdc	NO-NC	4 wires	order No.					
	NPN		oraci ivo.					
10-30 Vdc	NO-NC	4 wires	order No.					
			oraci ivo.	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	
			oruel IVO.	950005941	950004500	950004540	930004310	
20-250 Vac/Vdc	NO	2 wires	order No.					
			order No.					
20-250 Vac/Vdc	NC	2 wires	audau Na					
			order No.					
20-250 Vac	NO	2/3 wires						
			order No.					
10-30 Vdc	Analog	3 wires						
	0-20 mA		order No.					
NAMUR amplifier	NAMUR	2 wires						
			order No.					
Naminal Valtage				10 20 1/4-1 15 (10%)	10 20 \/d= / 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%	
Hysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Curre				200 mA	200 mA	200 mA	200 mA	
Min. Output Curre	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				< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.)	
Operation Led				Yellow	Yellow	Yellow	Yellow	
Switching Frequer	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	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 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 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				30Nm	30Nm	30Nm	30Nm	
Weight - Cable Out	nut			3014111	145g		145g	
Weight - Connecto	•			95g		95g		
vvcigiii Commetto	. Julpul			338		228		



(-25 ... +60 °C)

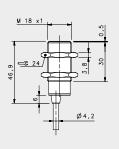
IP67

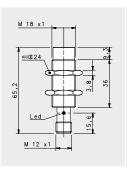
Nickel-plated brass

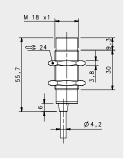
LCP

30Nm

95g







	SH	ORT	
FLU	JSH		FLUSH
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			
illudelive loads	illudetive loads	inductive loads	inductive loads

(-25 ... +60 °C)

IP67

2 m

3 x 0,14 mm²

Nickel-plated brass

LCP

30Nm

145g

(-25 ... +60 °C)

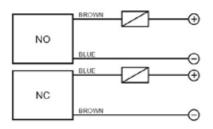
IP67

Nickel-plated brass

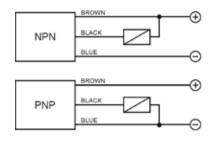
LCP 30Nm

95g

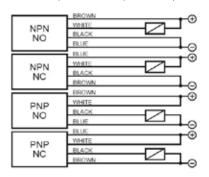
2 wires NO or NC



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	- 12		+	

3 wires

(-25 ... +60 °C)

IP67

2 m 3 x 0,14 mm²

Nickel-plated brass LCP

30Nm

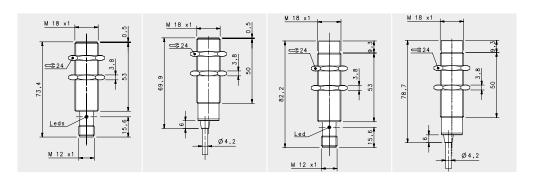
145g

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

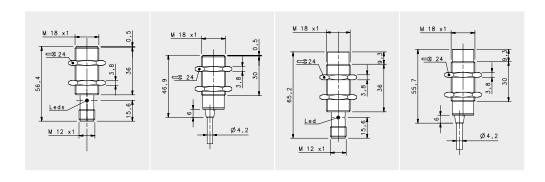
4 wires (PNP/NPN, NO/NC)

Output	SABIO PLES	Contacts	numbers	
Output	Vi111	2	- 3	4
NPN NO	+	NO	_	-
NPN NC	-	NC	+	-
PNP NO	+	+	-	NO
PNP NC	-	+	+	NC

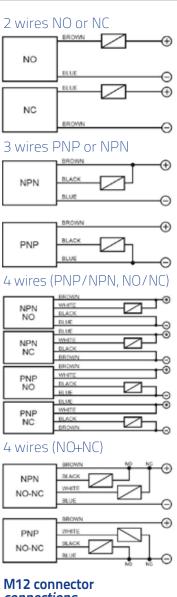




					STAND	ARD X2	
				FLUSH NON FLUSH			LUSH
				M12 conn	cable	M12 conn	cable
IOMINAL SWITCH	ING DISTAN	CE		8 m	ım	14 r	mm
10-30 Vdc	PNP/NPN	4 wires		IS-18-E0-S2	IS-18-E0-03	IS-18-F0-S2	IS-18-F0-03
	NO-NC		order No.	95B067310	95B067270	95B067330	95B067290
10-30 Vdc	PNP NO	3 wires	and an Na	IS-18-E1-S2	IS-18-E1-03	IS-18-F1-S2	IS-18-F1-03
			order No.	95B067050	95B067810 IS-18-E2-03	95B067040 IS-18-F2-S2	95B067880
10-30 Vdc	PNP NC	3 wires	order No.	IS-18-E2-S2 95B067780	95B067820	95B067850	IS-18-F2-03 95B067890
	NPN		order No.	IS-18-E3-S2	IS-18-E3-03	IS-18-F3-S2	IS-18-F3-03
10-30 Vdc	NO	3 wires	order No.	95B067790	95B067830	95B067860	95B067900
	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
0.201/1	PNP						
0-30 Vdc	NO-NC	4 wires	order No.				
0.207/4-	NPN	/iva-					
10-30 Vdc	NO-NC	4 wires	order No.				
10-30 Vdc	NO-NC	2 wires		IS-18-E9-S2	IS-18-E9-03	IS-18-F9-S2	IS-18-F9-03
10-30 Vuc	INO-INC	2 WITES	order No.	95B067320	95B067280	95B067340	95B067300
20-250 Vac/Vdc	NO	2 wires					
10-250 Vac/ Vac	INO	2 WIIES	order No.				
20-250 Vac/Vdc	NC	2 wires					
		2 1111103	order No.				
0-250 Vac	NO	2/3 wires					
			order No.				
0-30 Vdc	Analog 0-20 mA	3 wires	and an Na				
	0-20 IIIA		order No.				
NAMUR amplifier	NAMUR	2 wires	order No.				
			order ivo.				
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 Currer	nt			200 mA	200 mA	200 mA	200 mA
/lin. 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
witching Frequen	ісу			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	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
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67	IP67
able 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
ightening torque				30Nm	30Nm	30Nm	30Nm
Weight - Cable Out	put					145g	145g
Weight - Connector	Output			95g	95g		



	SHO	RT X2			
FLI	JSH	NON FLUSH			
M12 conn	cable	M12 conn	cable		
8 mm	8 mm	14 mm	14 mm		
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.)					
< 10 mA	< 10 mA	< 10 mA	< 10 mA		
< 1,2 V (I=100mA)					
Yellow	Yellow	Yellow	Yellow		
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					
(-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			



connections

2 wires NO or NC

Acadahla	Contacts numbers			
AVAILABLE -	1	2	3	- 4
NO	+			
NC			+	

3 wires

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

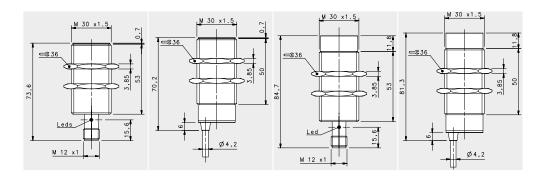
4 wires (PNP/NPN, NO/NC)

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

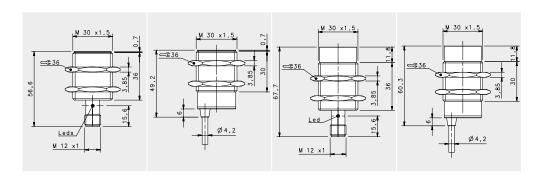
4 wires (NO+NC)

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





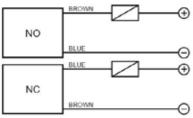
				STANDARD						
				FLU	JSH	NON FLUSH				
				M12 conn	cable	M12 conn	cable			
NOMINAL SWITCH	ING DISTAN	CE		10 mm	10 mm	15 mm	15 mm			
10 20 1/4-	PNP/NPN	/ivaa		IS-30-A0-S2	IS-30-A0-03	IS-30-C0-S2	IS-30-C0-03			
10-30 Vdc	NO-NC	4 wires	order No.	95B064490	95B064460	95B064510	95B064470			
10-30 Vdc	PNP	3 wires		IS-30-A1-S2	IS-30-A1-03	IS-30-C1-S2	IS-30-C1-03			
10-30 Vac	NO	2 MILE2	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	J WIICS	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	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-A9-S2	IS-30-A9-03	IS-30-C9-S2	IS-30-C9-03			
			order No.	95B064570	95B064530	95B064590	95B064550			
20-250 Vac/Vdc	NO	2 wires	- und - u NI -							
			order No.							
20-250 Vac/Vdc	NC	2 wires	audau Na							
						order No.				
20-250 Vac	NO	2/3 wires	order No							
	A 1		order No.							
10-30 Vdc	Analog 0-20 mA	3 wires	order No.							
	0 20 11111		order No.							
NAMUR amplifier	NAMUR	2 wires	order No.							
			0.00.110.							
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 Curren	it			200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)			
Min. Output Currer	nt			> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)			
Residual Current				< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA			
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	су			300 Hz/250 Hz (2 wires NO-NC)	300 Hz/250 Hz (2 wires NO-NC)	300 Hz/250 Hz (2 wires NO-NC)	300 Hz/250 Hz (2 wires NO-NO			
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				60Nm	60Nm	60Nm	60Nm			
Weight - Cable Out	out				210 g		210 g			
				170 g		170 g				



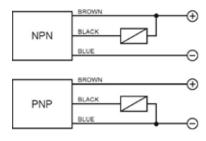
	SH	ORT	
FLL	ISH	NON F	FLUSH
M12 conn	cable	M12 conn	cable
10 mm	10 mm	15 mm	15 mm
IS-30-B1-S2	IS-30-B1-03	IS-30-D1-S2	IS-30-D1-03
95B062231	95B062221	95B062631	95B062621
IS-30-B2-S2	IS-30-B2-03	IS-30-D2-S2	IS-30-D2-03
95B062251	95B062241	95B062651	95B062641
IS-30-B3-S2	IS-30-B3-03	IS-30-D3-S2	IS-30-D3-03
95B062191	95B062181	95B062591	95B062581
IS-30-B4-S2	IS-30-B4-03	IS-30-D4-S2	IS-30-D4-03
95B062211	95B062201	95B062611	95B062601
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
300 Hz	300 Hz	300 Hz	300 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
LCP	LCP	LCP	LCP
60Nm	60Nm	60Nm	60Nm
	210 g		210 g

170 g

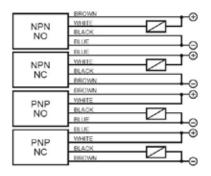
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

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

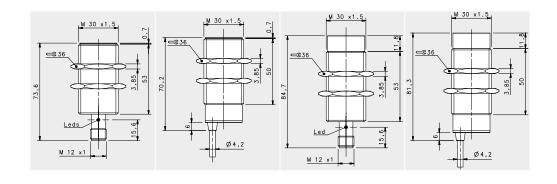
3 wires

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

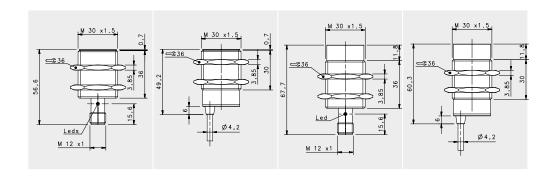
4 wires (PNP/NPN, NO/NC)

Output		Contacts	numbers	
Output	010	2	- 3	4
NPN NO	+	NO	_	-
NPN NC	-	NC	+	-
PNP NO	+ .	+		NO
PNP NC	-	+	+	NC

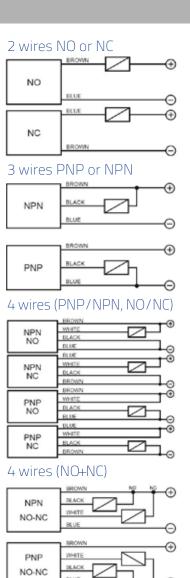




					STAND	ARD X2	
				FLU	JSH	NON-	FLUSH
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	ING DISTAN	CE		15mm	15mm	20 mm	20 mm
	PNP/NPN	T		IS-30-E0-S2	IS-30-E0-03	IS-30-F0-S2	IS-30-F0-03
10-30 Vdc	NO-NC	4 wires	order No.	95B067390	95B067350	95B067410	95B067370
	PNP			IS-30-E1-S2	IS-30-E1-03	IS-30-F1-S2	IS-30-F1-03
10-30 Vdc	NO	3 wires	order No.	95B067060	95B067950	95B067990	95B068030
	PNP			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
	NPN	<u> </u>		IS-30-E3-S2	IS-30-E3-03	IS-30-F3-S2	IS-30-F3-03
10-30 Vdc	NO	3 wires	order No.	95B067930	95B067970	95B068010	95B068050
	NPN	l		IS-30-E4-S2	IS-30-E4-03	IS-30-F4-S2	IS-30-F4-03
10-30 Vdc	NC	3 wires	order No.	95B067940	95B067980	95B068020	95B068060
	PNP						
10-30 Vdc	NO-NC	4 wires	order No.				
	NPN						
10-30 Vdc	NO-NC	4 wires	order No.				
				IS-30-E9-S2	IS-30-E9-03	IS-30-F9-S2	IS-30-F9-03
10-30 Vdc	NO-NC	2 wires	order No.	95B067400	95B067360	95B067420	95B067380
			order rior				
20-250 Vac/Vdc	NO	2 wires	order No.				
			order 140.				
20-250 Vac/Vdc	NC	2 wires	order No.				
			order No.				
20-250 Vac	NO	2/3 wires	order No.				
	Analog		order No.				
10-30 Vdc	Analog 0-20 mA	3 wires	order No.				
	0 20111/1		order No.				
NAMUR amplifier	NAMUR	2 wires	order No.				
			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	n+			200 mA	200 mA	200 mA	200 mA
Min. Output Curre				200 IIIA	200 IIIA	200 IIIA	200 IIIA
Residual Current	iii			< 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 Frequen) CV			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	icy			< 75 ms	< 75 ms	< 75 ms	< 75 ms
Repeatability				< 3%	< 3%	< 3%	< 3%
Short Circuit Prote	ction			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Short Circuit Prote	CLIOII						
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	nut						



	SHU	RT X2		
FLL	JSH	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)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 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	Against polarity reversal	Against polarity reversal	Against polarity reversal	
inductive loads	inductive loads	inductive loads	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 CONFIGURATION					
W. Carachia	Contacts numbers				
Available	1	2	3	4	
NO	+	~~	-		
NC			+		

3 wires

-	DIST. PROPERTY	CONFIGU	rout tota	
Applicable		Contacts	numbers	
Available	1	2	3	4
(NO or NO)	+	10.7	-	NO/NO

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				
	1.5	2	3	4	
(NO + NC)	+	NC.		NO	