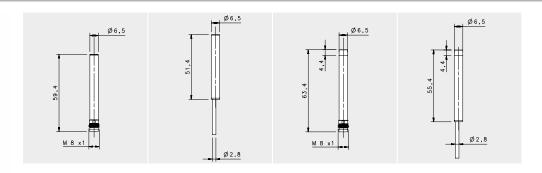
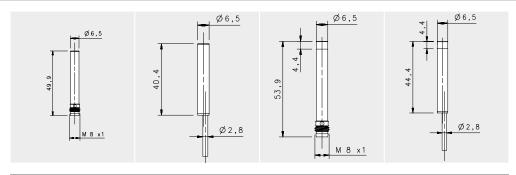
BASIC M6.5



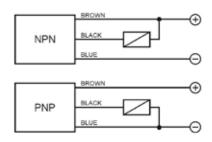


				STANDARD				
				FLU	SH	NON I	FLUSH	
				M8 conn	cable	M8 conn	cable	
NOMINAL SWITCH	IING DISTANO	CE		1,5 mm	1,5 mm	2 mm	2 mm	
	PNP/NPN							
10-30 Vdc	NO-NC	4 wires	order No.					
	PNP			IS-65-A1-S1	IS-65-A1-03	IS-65-C1-S1	IS-65-C1-03	
10-30 Vdc	NO	3 wires	order No.	95B066050	95B064730	95B066210	95B064890	
	PNP			IS-65-A2-S1	IS-65-A2-03	IS-65-C2-S1	IS-65-C2-03	
10-30 Vdc	NC	3 wires	order No.	95B066090	95B064770	95B066250	95B066300	
	NPN			IS-65-A3-S1	IS-65-A3-03	IS-65-C3-S1	IS-65-C3-03	
10-30 Vdc	NO	3 wires	order No.	95B064970	95B064650	95B066130	95B064810	
	NPN			IS-65-A4-S1	IS-65-A4-03	IS-65-C4-S1	IS-65-C4-03	
10-30 Vdc	NC	3 wires	order No.	95B066010	95B064690	95B066170	95B064850	
	PNP							
10-30 Vdc	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.					
	Analog	3 wires						
10-30 Vdc	0-20 mA		order No.					
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 Curre	nt			200 mm	200 mA	200 mm	200 mA	
Min. Output Curre	nt							
Residual Current				< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA	
Voltage Drop				< 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				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					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	put				80 g		80 g	
Weight - Connecto	r Output			40 g		40 g		



	SHO	ORT		
FLU		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	
< 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)	
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	
	80 g		80 g	
40 g		40 g		

3 wires PNP or NPN



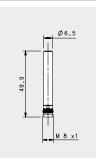
M83 pole

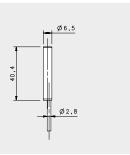


CONT	ACTS CON	FIGURAT	ION	
1275-0792-05	Contacts numbers			
Available	1 BROWN	3 HUE	HACK	
NPN/PNP	+	=	NO/NO	

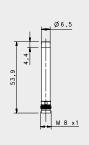
BASIC M6.5



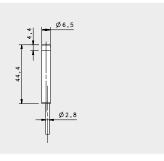




				SHOP	RT X2
				FLU	ISH
				M8 conn	cable
IOMINAL SWITCH	IING DISTANO	CE		2 mm	2 mm
	PNP/NPN				
10-30 Vdc	NO-NC	4 wires	order No.		
	PNP			IS-65-G1-S1	IS-65-G1-03
10-30 Vdc	NO	3 wires	order No.	95B066060	95B064740
10.20111	PNP	<u>.</u>		IS-65-G2-S1	IS-65-G2-03
10-30 Vdc	NC	3 wires	order No.	95B066100	95B064780
10. 20.1/4-	NPN	2		IS-65-G3-S1	IS-65-G3-03
10-30 Vdc	NO	3 wires	order No.	95B064980	95B064660
10.70.1/4-	NPN	2		IS-65-G4-S1	IS-65-G4-03
10-30 Vdc	NC	3 wires	order No.	95B066020	95B064700
10.70.1/4-	PNP	,			
10-30 Vdc	NO-NC	4 wires	order No.		
10. 20.1/4-	NPN	,			
10-30 Vdc	NO-NC	4 wires	order No.		
10. 20.1/4-	NO NC	2			
10-30 Vdc	NO-NC	2 wires	order No.		
20. 250 1/ /1/-	NO	2			
20-250 Vac/Vdc	NO	2 wires	order No.		
00. 250 1/ /1/-	NC	2			
20-250 Vac/Vdc	NC	2 wires	order No.		
20. 250 1/	NO	2/3 wires			
20-250 Vac	NO		order No.		
10 20 1/4-	Analog	2			
10-30 Vdc	0-20 mA	3 wires	order No.		
NAMUR amplifier	NAMUR	2 wires			
valvior ampline	IVAIVIOR	2 WIIES	order No.		
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%
lysteresis				< 10%	< 10%
Max. Output Currei	nt			200 mA	200 mA
Min. Output Curre	nt				
Residual Current				< 10 mA	< 10 mA
/oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led				Yellow	Yellow
witching Frequer	тсу			500 Hz	500 Hz
itart Up Delay				< 75 ms	< 75 ms
Repeatability				< 3%	< 3%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)
lectric Protection	ı			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	put				80 g
Neight - Connecto	r Output			40 g	

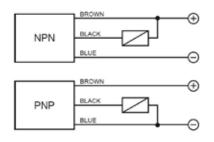


40 g



SHO	RT X 2				
NON FLUSH					
M8 conn	cable				
3 mm	3 mm				
	3 mm				
 IS-65-H1-S1	 IC CE 114 02				
	IS-65-H1-03				
95B066220	958064900				
IS-65-H2-S1	IS-65-H2-03				
958066260	958064940				
IS-65-H3-S1	IS-65-H3-03				
958066140	958064820				
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	Against polarity reversal				
reversal inductive loads	inductive loads				
(-25 +70 °C)	(-25 +70 °C)				
IP67	IP67				
	2 m				
	3 x 0,14 mm²				
Nickel-plated brass	Nickel-plated brass				
LCP	LCP				
	80 g				
	b				

3 wires PNP or NPN



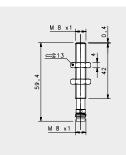
M8 3 pole

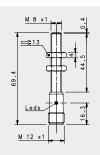


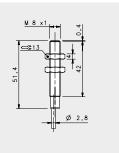
CONT	ACTS (CONFI	GURA	TION

Numerica Care	Contacts numbers				
Available	1 BROWN	3 BUE	BLACK		
NPN/PNP	+	-	NOINC		

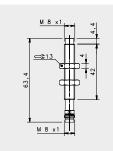


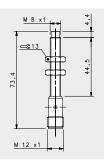


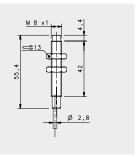




					STANDARD	
					FLUSH	
				M8 conn	M12 conn	cable
OMINAL SWITCH	IING DISTANO	CE		1,5 mm	1,5 mm	1,5 mm
10.001/1	PNP/NPN	1, .				
10-30 Vdc	NO-NC	4 wires	order No.			
10. 70.1/4-	PNP	2		IS-08-A1-S1	IS-08-A1-S2	IS-08-A1-03
10-30 Vdc	NO	3 wires	order No.	95B061141	95B061131	95B061121
10 20 1/4-	PNP	2		IS-08-A2-S1	IS-08-A2-S2	IS-08-A2-03
10-30 Vdc	NC	3 wires	order No.	95B061171	95B061161	95B061151
10-30 Vdc	NPN	3 wires		IS-08-A3-S1	IS-08-A3-S2	IS-08-A3-03
10-30 vac	NO	5 WIIES	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	2 MILE2	order No.	95B061111	95B061101	95B061091
10-30 Vdc	PNP	4 wires				
50 140	NO-NC	4 WIICS	order No.			
10-30 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				
			order No.			
20-250 Vac	NO	2/3 wires				
			order No.			
10-30 Vdc	Analog 0-20 mA		N -			
	0-20 IIIA		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%)
Residual Ripple				< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%
Max. Output Curre	nt			200mA	200mA	200mA
Min. Output Curre						
Residual Current	110			< 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
Temperature 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
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face				LCP	LCP	LCP
Fightening torque				4Nm	4Nm	4Nm
Neight - Cable Out	put					80 g
Weight - Connecto				35g	55g	

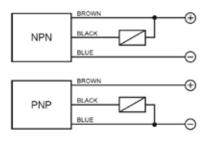






	CTANDADD	
	STANDARD	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-C1-S1	IS-08-C1-S2	IS-08-C1-03
95B061541	95B061531	95B061521
IS-08-C2-S1	IS-08-C2-S2	IS-08-C2-03
958061571	95B061561	958061551
IS-08-C3-S1	IS-08-C3-S2	IS-08-C3-03
95B061481	95B061471	958066410
IS-08-C4-S1	IS-08-C4-S2	IS-08-C4-03
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 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
		3x 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



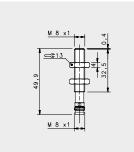
No. of Labora	Contacts numbers			
Available .	1	2	3	4
(NO or NO)	+			NO/NO

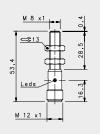
M8 3 pole

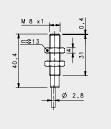


CONT	ACTS CON	FIGURAT	ION
	Con	stacts num	bers
wailable	# BROWN	3 BLUE	BLACK
DN/DND	-		NONC

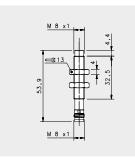


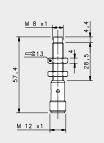


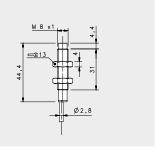




					SHORT	
					FLUSH	
				M8 conn	M12 conn	cable
OMINAL SWITCH	ING DISTAN	CE		1,5 mm	1,5 mm	1,5 mm
	PNP/NPN					
0-30 Vdc	NO-NC	4 wires	order No.			
	PNP	l		IS-08-B1-S1	IS-08-B1-S2	IS-08-B1-03
0-30 Vdc	NO	3 wires	order No.	95B066860	95B066590	95B061921
	PNP			IS-08-B2-S1	IS-08-B2-S2	IS-08-B2-03
0-30 Vdc	NC	3 wires	order No.	95B066890	95B066620	95B061951
	NPN			IS-08-B3-S1	IS-08-B3-S2	IS-08-B3-03
0-30 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.			
	NPN					
0-30 Vdc	NO-NC	4 wires	order No.			
0-30 Vdc	NO-NC	2 wires	order No.			
:0-250 Vac/Vdc	NO	2 wires	order No.			
20-250 Vac/Vdc	NC	2 wires	order No.			
			0.46.110.			
:0-250 Vac	NO	2/3 wires	order No.			
	Analog	3 wires	0.46.110.			
0-30 Vdc	0-20 mA		order No.			
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 Currer	nt			200mA	200mA	200mA
/lin. Output Currei	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 Frequen	ıcy			1000 Hz	1000 Hz	1000 Hz
Start Up Delay	,			< 50 ms	< 50 ms	< 50 ms
Repeatability				< 3%	< 3%	< 3%
Short Circuit Prote	ction			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
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				(-25 +70 °C) IP67	(-25 +70 °C) IP67	(-25 +70 °C)
				iP6/ 		2 m
Table Length					 	2 m 3 x 0,14 mm²
lousing 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 - Connector	r Output			35g	55g	

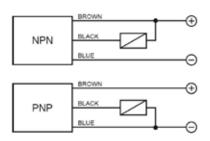






	SHORT	
	NON FLUSH	
MO comp		anhla
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-D1-S1	IS-08-D1-S2	IS-08-D1-03
95B066970	95B066700	95B062321
IS-08-D2-S1	IS-08-D2-S2	IS-08-D2-03
95B067000	95B066720	95B062351
IS-08-D3-S1	IS-08-D3-S2	IS-08-D3-03
95B066920	95B066650	95B066430
IS-08-D4-S1	IS-08-D4-S2	IS-08-D4-03
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
	71VIII	80 g
35g	55g	
عدد	عدد	

3 wires PNP or NPN



M12 3 pole



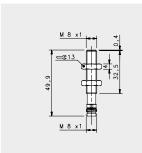
C	ONTACTO	CONFIGU	RATION	
Available	1,000	Contacts	numbers	
Available .	1	2	3	4
(NO or NC)	+			NO/NC

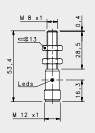
M8 3 pole

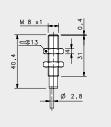


	Con	tacts num	bers
Available	1 BROWN	3 BUSE	BLACK
NPN/PNP	+	-	NO/NO

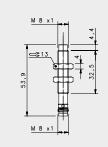


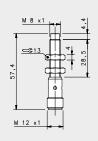


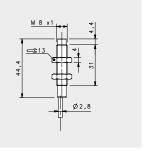




					SHURT AZ		
					FLUSH		
				M8 conn	M12 conn	cable	
OMINAL SWITCH	ING DISTANC	Œ		2 mm	2 mm	2 mm	
	PNP/NPN						
10-30 Vdc	NO-NC	4 wires	order No.				
	PNP			IS-08-G1-S1	IS-08-G1-S2	IS-08-G1-03	
10-30 Vdc	NO	3 wires	order No.	95B066850	95B066580	95B066370	
	PNP			IS-08-G2-S1	IS-08-G2-S2	IS-08-G2-03	
10-30 Vdc	NC	3 wires	order No.	95B066880	95B066610	95B066390	
	NPN		order ivo.	IS-08-G3-S1	IS-08-G3-S2	IS-08-G3-03	
10-30 Vdc	NO	3 wires	order No.	95B066800	95B066520	95B066330	
			order ivo.	IS-08-G4-S1	IS-08-G4-S2	IS-08-G4-03	
10-30 Vdc	NPN NC	3 wires	order No.	95B063131	95B066550	95B066350	
			order No.		95000550		
0-30 Vdc	PNP NO-NC	4 wires	order No				
			order No.				
0-30 Vdc	NPN NO-NC	4 wires	andan Na				
	INO-INC		order No.				
10-30 Vdc	NO-NC	2 wires	N -				
			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					
230 140		2,3 111103	order No.				
10-30 Vdc	Analog	3 wires					
	0-20 mA		order No.				
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 Currei				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)	
				Against polarity reversal	Against polarity reversal	Against polarity reversal	
Electric Protection	1			inductive loads	inductive loads	inductive loads	
				inductive loads			
emperature Limit					inductive loads (-25 +60 °C) IP67	inductive loads (-25 +70 °C) IP67	
emperature Limit Protection Degree				inductive loads (-25 +60 °C)	(-25 +60 °C)	(-25 +70 °C) IP67	
Temperature Limit Protection Degree Cable Length				inductive loads (-25 +60 °C) IP67 	(-25 +60 °C) IP67 	(-25 +70 °C) IP67 2 m	
emperature Limit Protection Degree Cable Length Cable Section				inductive loads (-25 +60 ° C) IP67 	(-25 +60 °C) IP67 	(-25 +70 °C) IP67 2 m 3 x 0,14 mm²	
Temperature Limit Protection Degree Cable Length Cable Section Housing Material				inductive loads (-25 +60 ° C) IP67 Nickel-plated brass	(-25 +60 °C) IP67 Nickel-plated brass	(-25 +70 °C) IP67 2 m 3 x 0,14 mm² Nickel-plated brass	
Temperature Limit Protection Degree Cable Length Cable Section Housing Material Active face				inductive loads (-25 +60 ° C) IP67 Nickel-plated brass LCP	(-25 +60 °C)	(-25 +70 °C) IP67 2 m 3 x 0,14 mm² Nickel-plated brass LCP	
Electric Protection Temperature Limit Protection Degree Cable Length Cable Section Housing Material Active face Tightening torque Weight - Cable Out				inductive loads (-25 +60 ° C) IP67 Nickel-plated brass	(-25 +60 °C) IP67 Nickel-plated brass	(-25 +70 °C) IP67 2 m 3 x 0,14 mm² Nickel-plated brass	

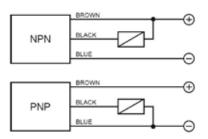






	SHORT X2	
	NON FLUSH	
M8 conn	M12 conn	cable
3 mm	3 mm	3 mm
IS-08-H1-S1	IS-08-H1-S2	IS-08-H1-03
95B066960	95B066690	95B066480
IS-08-H2-S1	IS-08-H2-S2	IS-08-H2-03
95B066990	95B063301	95B066500
IS-08-H3-S1	IS-08-H3-S2	IS-08-H3-03
95B066910	95B066640	95B066420
IS-08-H4-S1	IS-08-H4-S2	IS-08-H4-03
95B063251	95B063241	95B066460
		
		
		
		
10 20 Vdc/ 15/10%	10 20 Vdc / 15 /10%	10. 20 \\ds. \ 15 \/10%\
10-30 Vdc (-15/10%) < 10%	10-30 Vdc (-15/10%) < 10%	10-30 Vdc (-15/10%) < 10%
< 10%	< 10%	< 10%
200mA 	200mA 	200mA
< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA) Yellow	< 1,2 V (I=100mA) Yellow	< 1,2 V (I=100mA)
		Yellow
500 Hz < 75 ms	500 Hz	500 Hz
	< 75 ms	< 75 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 +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



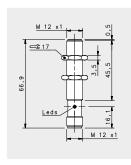
C	ONTACTS	CONFIGU	RATION	
and the same of	1,000	Contacts	numbers	-/
Available .	1	2	3	4
(NO or NC)	+			NO/NO

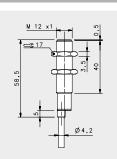
M8 3 pole

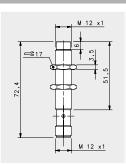


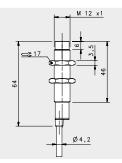
CONT	ACTS CON	FIGURAT	ION
Marrie Gyr.	Con	tacts num	bers
Available	5ROWN	3 BUSE	BLACK
NPN/PNP	+	-	NOINC



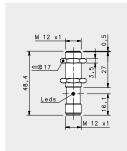


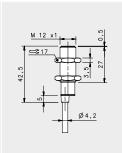


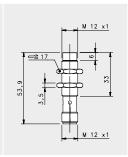


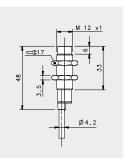


					STAN	DARD	
				FL	JSH	NON I	FLUSH
				M12 conn	cable	M12 conn	cable
IOMINAL SWITCHII	NG DISTANO	CE		2 mm	2 mm	4 mm	4 mm
	PNP/NPN			IS-12-A0-S2	IS-12-A0-03	IS-12-C0-S2	IS-12-C0-03
10-30 Vac	NO-NC	4 wires	order No.	95B064060	95B064030	95B064080	95B064040
40.20141	PNP	. .		IS-12-A1-S2	IS-12-A1-03	IS-12-C1-S2	IS-12-C1-03
10-30 Vdc	NO	3 wires	order No.	95B061251	95B061241	95B061651	95B061641
10-30 Vdc	PNP	3 wires		IS-12-A2-S2	IS-12-A2-03	IS-12-C2-S2	IS-12-C2-03
10-30 Vuc	NC	5 WITES	order No.	95B061281	95B061271	95B061681	95B061671
	NPN	3 wires		IS-12-A3-S2	IS-12-A3-03	IS-12-C3-S2	IS-12-C3-03
10 30 Vac	NO	2 MILE2	order No.	95B061191	95B061181	95B061591	95B061581
10-30 Vac	NPN	3 wires		IS-12-A4-S2	IS-12-A4-03	IS-12-C4-S2	IS-12-C4-03
	NC	5 1165	order No.	95B061221	95B061211	95B061621	95B061611
10-30 Vdc	PNP	4 wires					
	NO-NC		order No.				
	NPN	4 wires					
	NO-NC		order No.		 IC 42 A0 02		
10-30 Vdc	NO-NC	2 wires	audau Na	IS-12-A9-S2	IS-12-A9-03	IS-12-C9-S2	IS-12-C9-03
			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.				
			order ivo.				
20-250 Vac	NO	2/3 wires	order No.				
	Analog		orac, ito.				
	0-20 mA	3 wires	order No.				
NAMED PC	NAMES	<u>.</u> .					
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 Current				200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)
Min. Output Current	t			> 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 Frequenc	.y			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	#:a.u.			< 3%	< 3%	< 3%	< 3%
Short Circuit Protec	tion			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 Outp	ut				110 g		110 g
				60 g		60 g	110 6



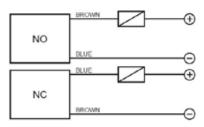




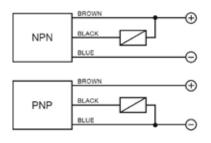


	CIII	ODT	
		ORT	
FLU		NON F	
M12 conn	cable	M12conn	cable
2 mm	2 mm	4 mm	4 mm
 IC 42 D4 C2	 IC 42 D4 02	 IC 42 D4 C2	 IC 42 D4 02
IS-12-B1-S2	IS-12-B1-03	IS-12-D1-S2	IS-12-D1-03
95B062051 IS-12-B2-S2	95B062041 IS-12-B2-03	95B062451 IS-12-D2-S2	95B062441 IS-12-D2-03
95B062081	95B062071	95B062481	95B062471
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 g		60 g	
. 0		<u> </u>	

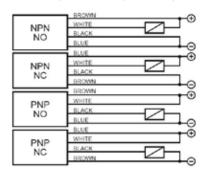
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

Scotlable.		Contacts	numbers	
Avelable	1	2	3	2.4
NO	+		-	
NO	2		+	

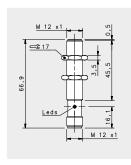
3 wires

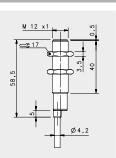
C	ONTACTS	CONFIGU	RATION	
41.04.490	-	Contacts	numbers	11
Available	-1	2	3	4
(NO or NC)	+		-	NO/NO

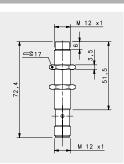
4 wires (PNP/NPN, NO/NC)

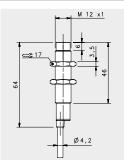
Output		Contacts	numbers	
Cutput	1	2	3	4
NPN NO	+	NO	12	
NPN NC	-	NC	+	-
PNP NO	+	+	-	NO
PNP NC	-	+	+	NO



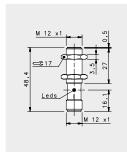


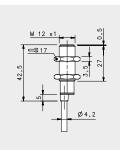


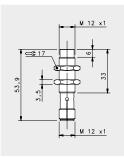


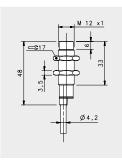


				STANDARD X2				
				FLI	JSH		FLUSH	
				M12 conn	cable	M12 conn	cable	
IOMINAL SWITCH	ING DISTAN	CE		4 1	mm	8 г	nm	
	PNP/NPN			IS-12-E0-S2	IS-12-E0-03	IS-12-F0-S2	IS-12-F0-03	
10-30 Vdc	NO-NC	4 wires	order No.	95B067230	95B067190	95B067250	95B067210	
40.2014-	PNP	2		IS-12-E1-S2	IS-12-E1-03	IS-12-F1-S2	IS-12-F1-03	
10-30 Vdc	NO	3 wires	order No.	95B067030	95B067670	95B067020	95B067740	
40.2014-	PNP	2		IS-12-E2-S2	IS-12-E2-03	IS-12-F2-S2	IS-12-F2-03	
10-30 Vdc	NC	3 wires	order No.	95B067640	95B067680	95B067710	95B067750	
10-30 Vdc	NPN	2 mines		IS-12-E3-S2	IS-12-E3-03	IS-12-F3-S2	IS-12-F3-03	
10-50 Vuc	NO	3 wires	order No.	95B067650	95B067690	95B067720	95B067760	
10-30 Vdc	NPN	3 wires		IS-12-E4-S2	IS-12-E4-03	IS-12-F4-S2	IS-12-F4-03	
10-30 Vuc	NC	5 WIIES	order No.	95B067660	95B067700	95B067730	95B067770	
10-30 Vdc	PNP	4 wires						
10-30 Vac	NO-NC	4 WIICS	order No.					
10-30 Vdc	NPN	4 wires						
10 30 140	NO-NC	- WII C5	order No.					
10-30 Vdc	NO-NC	2 wires		IS-12-E9-S2	IS-12-E9-03	IS-12-F9-S2	IS-12-F9-03	
		2 1111103	order No.	95B067240	95B067200	95B067260	95B067220	
20-250 Vac/Vdc	NO	2 wires						
20 230 140, 140		2 1111103	order No.					
20-250 Vac/Vdc	NC	2 wires						
			order No.					
20-250 Vac	NO	2/3 wires						
			order No.					
10-30 Vdc	dc Analog O-20 mA 3 wires	3 wires						
			order No.					
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 Curre	nt			100 mA	100 mA	100 mA	100 mA	
Min. Output Curre								
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 Freque	ncv			500 Hz/200 Hz (2 wires NO-NC)	500 Hz/200 Hz (2 wires NO-NC)	400 Hz/200 Hz (2 wires NO-NC)	400 Hz/200 Hz (2 wires NO-NO	
Start Up Delay	1			< 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	Against polarity reversal	Against polarity reversal	Against polarity reversal	
				inductive loads	inductive loads	inductive loads	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	10Nm	10Nm	
Weight - Cable Out								
Weight - Connecto	r Output			60 g	60 g	60 g	60 g	

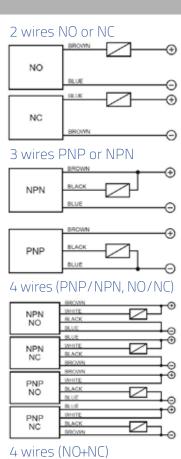


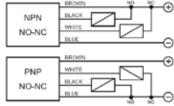






	SHOP	RT X2			
FLL	JSH		ON FLUSH		
M12 con	cable	M12 conn	cable		
4 mm	4 mm	8 mm	8 mm		
IS-12-G1-S2	IS-12-G1-03	IS-12-H1-S2	IS-12-H1-03		
95B063371	95B063361	95B063451	95B063441		
IS-12-G2-S2	IS-12-G2-03	IS-12-H2-S2	IS-12-H2-03		
95B063391	95B063381	95B063471	95B063461		
IS-12-G3-S2	IS-12-G3-03	IS-12-H3-S2	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 20 Vdc/ 15/10%	10 20 \/dc/ 1E/10%\	10 20 \/dc/ 1E /10%\	10 20 \/dc/ 15 /10%\		
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)	< 1,2 V (l=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)		
Yellow	Yellow	Yellow	Yellow		
00 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-NO		
< 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

North State	Contacts numbers				
Avaiable	1	2	3	- 4	
NO	*		-		
NC	-		+		

3 wires

C	ONTACT!	CONFIGU	RATION		
Avaiable	Contacts numbers				
Available	. 1	2	3	4	
(NO or NC)	+	20	-	NONC	

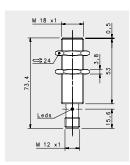
4 wires (PNP/NPN, NO/NC)

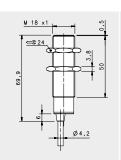
c	ONTACTS	CONFIGU	RATION		
O.m.s	Contacts numbers				
Output	. 1	- 2	- 3	- 4	
NPN NO	+	NO:	-	-	
NPN NC	-	NC	+	-	
PNPNO	+	+	-	NO	
PNP NC	-	+	+	NC	

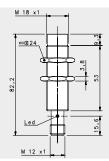
4 wires (NO+NC)

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

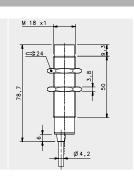




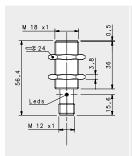


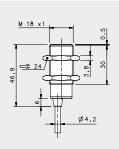


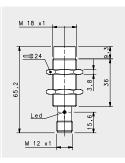
STANDARD

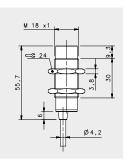


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m
20-03
4240
C1-03
1741
22-03
1761
23-03
1701
24-03
1721
-
-
-
-
29-03
4310
-
-
-
-
-
-
-
-
- -
•
(-15/10%)
0%
ο» Ο%
mA
wires ver.) mA
(2wires ver.)
(2 wires NO-NC)
ms %
-resetting)
rity reversal e loads
+60 °C)
57
n
+ mm² + mm² 5 mm²
ted brass
ccu brass
P
Р



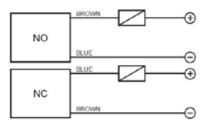




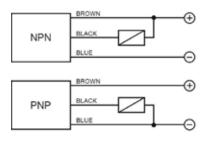


	SHORT							
FLU			LUSH					
M12 conn	cable	M12 conn	cable					
5 mm	5 mm	8 mm	8 mm					
IS-18-B1-S2	IS-18-B1-03	IS-18-D1-S2	IS-18-D1-03					
95B062151	95B062141	95B062551	95B062541					
IS-18-B2-S2	IS-18-B2-03	IS-18-D2-S2	IS-18-D2-03					
95B062171	95B062161	95B062571	95B062561					
IS-18-B3-S2	IS-18-B3-03	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	Against polarity reversal	Against polarity reversal	Against polarity reversal					
inductive loads	inductive loads	inductive loads	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					
Niekal plated byse-	Midral wlated bree-	Niekal plated byes	Niekal wlated byse-					
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass					
LCP	LCP	LCP	LCP					
30Nm	30Nm	30Nm	30Nm					
	145g		145g					
95g		95g						

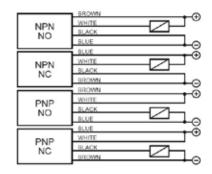
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

Sandahia	Contacts numbers				
Avelable	1	2	3	- 4	
NO	+		-		
NC	2		+		

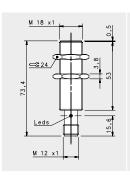
3 wires

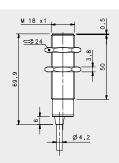
4.00.00	Contacts numbers				
Available	.1	2	3	- 4	
(NO or NC)	+		-	NO/NO	

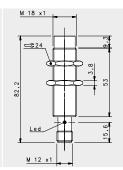
4 wires (PNP/NPN, NO/NC)

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

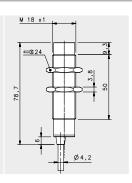




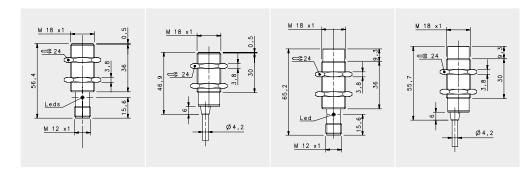




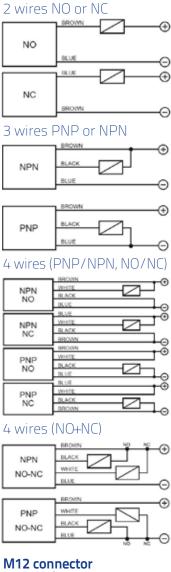
STANDARD X2



				FLU	SH	NON F	LUSH
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCHI	ING DISTAN	CE		8 m	ım	14 :	mm
	PNP/NPN	l		IS-18-E0-S2	IS-18-E0-03	IS-18-F0-S2	IS-18-F0-03
10-30 Vdc	NO-NC	4 wires	order No.	95B067310	95B067270	95B067330	95B067290
	PNP	Ī		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
	PNP			IS-18-E2-S2	IS-18-E2-03	IS-18-F2-S2	IS-18-F2-03
10-30 Vdc	NC	3 wires	order No.	95B067780	95B067820	95B067850	95B067890
	NPN			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
10.201//	NPN	<u>.</u>		IS-18-E4-S2	IS-18-E4-03	IS-18-F4-S2	IS-18-F4-03
10-30 Vdc	NC	3 wires	order No.	95B067800	95B067840	95B067870	95B067910
10.20141	PNP	, .					
10-30 Vdc	NO-NC	4 wires	order No.				
10.201//	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
20.2501/ ////		<u>.</u> .					
20-250 Vac/Vdc	NO	2 wires	order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
20.2501/		2/2					
20-250 Vac	NO	2/3 wires	order No.				
10.201//	Analog						
10-30 Vdc	0-20 mA		order No.				
NAMED lift	NAMUD	2					
NAMUR amplifier	NAMUR	2 wires	order No.				
Naminal Valtage				10 20 1/4- / 15 /10%	10 20 \/d= / 15 /10%\	10 20 \\d-\ 15 \10%\	10 20 1/4- / 15 /10%
Nominal Voltage Residual Ripple				10-30 Vdc (-15/10%) < 10%	10-30 Vdc (-15/10%) < 10%	10-30 Vdc (-15/10%) < 10%	10-30 Vdc (-15/10%) < 10%
Hysteresis				< 10%	< 10%	< 10%	< 10%
,	.+			200 mA	200 mA	200 mA	200 mA
Max. Output Curren Min. Output Curren				200 IIIA	200 IIIA	200 MA	200 IIIA
Residual Current	11.			< 10 mA	< 10 mA	< 10 mA	< 10 mA
Voltage Drop Operation Led				< 1,2 V (I=100mA) Yellow	< 1,2 V (I=100mA) Yellow	< 1,2 V (I=100mA) Yellow	< 1,2 V (I=100mA) Yellow
Switching Frequent	.c.,			400 Hz	400 Hz	100 Hz	100 Hz
Start Up Delay	Ly			400 H2 < 50 ms	400 H2 < 50 ms	< 50 ms	< 50 ms
Repeatability				< 3%	< 3%	< 3%	< 3%
Short Circuit Protect	ction			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Short circuit Frotet	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 mm ² 3 x 0,14 mm ² 4 x 0,25 mm ²
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 Outp	put					145g	145g
Weight - Connector				95g	95g		



	SHO	RT X2	
FLU		NON F	LUSH
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	
0		0	



M12 connector connections

2 wires NO or NC

Available	Contacts numbers			
	1	2	3	4
NO	*		_	
NC:	-		+	

3 wires

C	ONTACT	S CONFIGU	RATION	
A. artista		Contacts	numbers	
Available	. 1	2	3	4
(NO or NC)	+	- 20	-	NONC

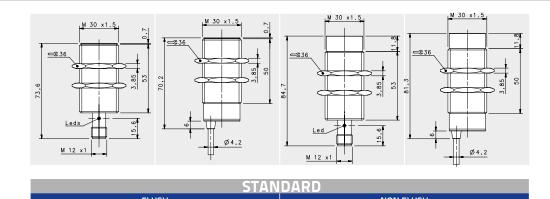
4 wires (PNP/NPN, NO/NC)

nana I	Contacts numbers					
Output	. 1	- 2	- 3	-4		
NPN NO	+	NO:	-	-		
NPN NC	-	NC	+	-		
PNPNO	+	+	-	NO		
PNPINC		+	+	NO		

4 wires (NO+NC)

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

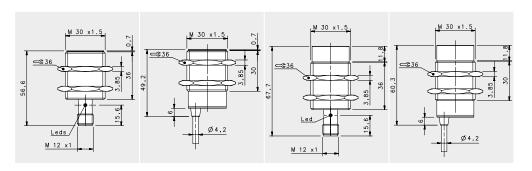




NON FLUSH

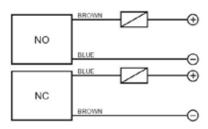
				FL	JOH	NUN	-LUSH
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	IING DISTAN	CE		10 mm	10 mm	15 mm	15 mm
40.201/1	PNP/NPN	, .		IS-30-A0-S2	IS-30-A0-03	IS-30-C0-S2	IS-30-C0-03
10-30 Vdc	NO-NC	4 wires	order No.	95B064490	95B064460	95B064510	95B064470
40.20141	PNP	<u>.</u> .		IS-30-A1-S2	IS-30-A1-03	IS-30-C1-S2	IS-30-C1-03
10-30 Vdc	NO	3 wires	order No.	95B061431	95B061421	95B061831	95B061821
40 2014-	PNP	2		IS-30-A2-S2	IS-30-A2-03	IS-30-C2-S2	IS-30-C2-03
10-30 Vdc	NC	3 wires	order No.	95B061451	95B061441	95B061851	95B061841
40 2014-	NPN	2		IS-30-A3-S2	IS-30-A3-03	IS-30-C3-S2	IS-30-C3-03
10-30 Vdc	NO	3 wires	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
10-30 Vac	NC	3 Wires	order No.	95B061411	95B061401	95B061811	95B061801
10-30 Vdc	PNP	Luiros					
10-50 Vac	NO-NC	4 wires	order No.				
10 20 1/4-	NPN	/ivaa					
10-30 Vdc	NO-NC	4 wires	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
10-30 Vuc	NO-NC	2 WITES	order No.	95B064570	95B064530	95B064590	95B064550
20-250 Vac/Vdc	NO	2 wires					
20-250 Vac/ Vuc	NO	2 WITES	order No.				
20-250 Vac/Vdc	NC	2 wires					
20-250 Vac/ Vuc	IVC	2 WITES	order No.				
20-250 Vac	NO	2/3wires					
20-250 vac	NU	2/3 WII eS	order No.				
10-30 Vdc	Analog	3 wires					
10-30 vac	0-20 mA	2 MILE2	order No.				
NAMUR amplifier	NAMUR	2 wires					
MAMOR amplifier	IVAIVIOR	2 WIIES	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 Curre	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				< 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 Frequer	ncy			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-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 +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
-				LCP	LCP	LCP	LCP
ACTIVE FACE							
				60Nm	60Nm	60Nm	60Nm
Active face Tightening torque Weight - Cable Out	tout			60Nm	60Nm 210 g	60Nm 	60Nm 210 g

FLUSH

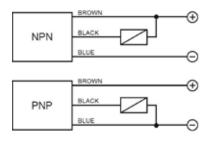


	SH	ORT	
FLU		NON F	LUSH
M12 conn	cable	M12 conn	cable
10 mm	10 mm	15 mm	15 mm
IS-30-B1-S2	IS-30-B1-03	IS-30-D1-S2	IS-30-D1-03
95B062231	95B062221	95B062631	95B062621
IS-30-B2-S2	IS-30-B2-03	IS-30-D2-S2	IS-30-D2-03
95B062251	95B062241	95B062651	95B062641
IS-30-B3-S2	IS-30-B3-03	IS-30-D3-S2	IS-30-D3-03
95B062191	95B062181	95B062591	95B062581
IS-30-B4-S2	IS-30-B4-03	IS-30-D4-S2	IS-30-D4-03
95B062211	95B062201	95B062611	95B062601
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		170 g	

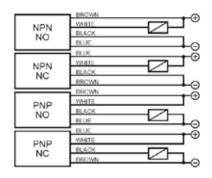
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

A mail add a	Contacts numbers			
Available	1	2	3	4
NO	+		-	
NC	. 2		+	

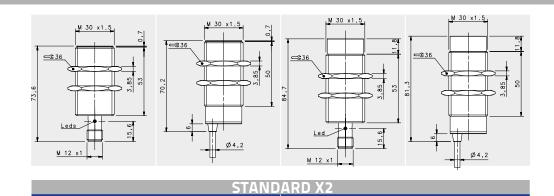
3 wires

Available	Contacts numbers				
Available	-1	2	3	4	
(NO or NC)	+		_	NO/NO	

4 wires (PNP/NPN, NO/NC)

Output		Contacts	numbers	
Output	1/4 ii	2	- 3	4
NPN NO	+	NO	_	-
NPN NC	-	NC	+	-
PNP NO	+ -	+	: - -1	NO
PNP NC	-	+	+	NC

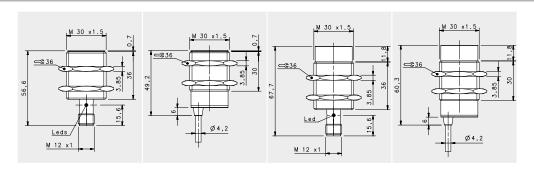




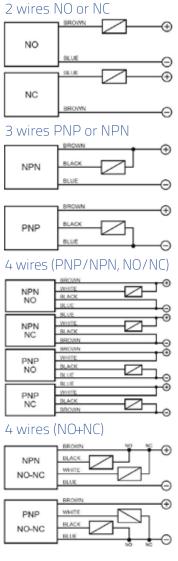
NON-FLUSH

NOMINAL SWITCHIN	IG DISTANC	E					
				15mm	15mm	20 mm	20 mm
. [PNP/NPN			IS-30-E0-S2	IS-30-E0-03	IS-30-F0-S2	IS-30-F0-03
	NO-NC	4 wires	order No.	95B067390	95B067350	95B067410	95B067370
40.2011	PNP	<u>.</u> .		IS-30-E1-S2	IS-30-E1-03	IS-30-F1-S2	IS-30-F1-03
	NO	3 wires	order No.	95B067060	95B067950	95B067990	95B068030
40 20 V4-	PNP	2		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
10-30 Vdc	NPN	3 wires		IS-30-E3-S2	IS-30-E3-03	IS-30-F3-S2	IS-30-F3-03
10-30 vuc	NO	5 WIIES	order No.	95B067930	95B067970	95B068010	95B068050
	NPN	3 wires		IS-30-E4-S2	IS-30-E4-03	IS-30-F4-S2	IS-30-F4-03
10 30 vac	NC	J WIICS	order No.	95B067940	95B067980	95B068020	95B068060
10-30 Vdc	PNP	4 wires					
10 30 vac	NO-NC	4 WIIC3	order No.				
	NPN	4 wires					
10 30 vac	NO-NC	4 WIIC3	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
			order No.	95B067400	95B067360	95B067420	95B067380
20-250 Vac/Vdc N	NO	2 wires					
			order No.				
20-250 Vac/Vdc N	NC	2 wires					
			order No.				
20-250 Vac	NO	2/3 wires					
			order No.				
	Analog	3 wires					
	0-20 mA		order No.				
NAMUR amplifier 1	NAMUR	2 wires					
·			order No.				
Name in a LV albana				40 30 14-1 45 (40%)	40. 20.14-1.45 (40%)	40 2014-145 (40%)	40 20 1/4- / 45 /40%)
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 Current				200 mA	200 mA	200 mA	200 mA
Min. Output Current							
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 Frequency	1			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-NC)
Start Up Delay				< 75 ms	< 75 ms	< 75 ms	< 75 ms
Repeatability				< 3%	< 3%	< 3%	< 3%
Short Circuit Protecti	ion			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 Output	JI						

FLUSH



	SHO!	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		
40.2011 / 45.440%	10.20.11 / 45.(40%)	40.2011 / 45.44001	40 20 11 / 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		
< 1,2 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					
 170 a	210 g 	170 ~	210 g		
170 g		170 g			



M12 connector connections

2 wires NO or NC

Available	Contacts numbers			
	1	2	3	4
NO	+		-	
NC	-		+	

3 wires

C	ONTACT	CONFIGU	RATION		
A. C. Carlotte	Contacts numbers				
Available	1	2	3	4	
(NO or NC)	+	5,5,4,7	-	NOINC	

4 wires (PNP/NPN, NO/NC)

Output	Contacts numbers			
Comput	1	- 2	- 3	- 4
NPN NO	+	NO:	-	-
NPN NC	-	NC	+	-
PNPNO	+	+	-	NO
PNP NC		+	+	NO

4 wires (NO+NC)

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