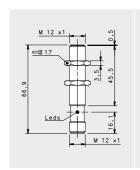
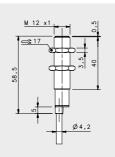
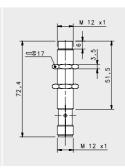
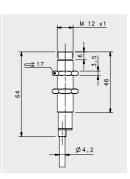
BASIC M12



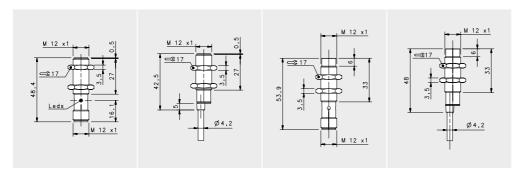








				STANDARD				
				FLI	JSH	NON F	FLUSH	
				M12 conn	cable	M12 conn	cable	
NOMINAL SWITCH	IING DISTAN	CE		2 mm	2 mm	4 mm	4 mm	
40.701/1	PNP/NPN			IS-12-A0-S2	IS-12-A0-03	IS-12-C0-S2	IS-12-C0-03	
10-30 Vdc	NO-NC	4 wires	order No.	95B064060	95B064030	95B064080	95B064040	
	PNP			IS-12-A1-S2	IS-12-A1-03	IS-12-C1-S2	IS-12-C1-03	
10-30 Vdc	NO	3 wires	order No.	95B061251	95B061241	95B061651	95B061641	
	PNP			IS-12-A2-S2	IS-12-A2-03	IS-12-C2-S2	IS-12-C2-03	
10-30 Vdc	NC	3 wires	order No.	95B061281	95B061271	95B061681	95B061671	
	NPN			IS-12-A3-S2	IS-12-A3-03	IS-12-C3-S2	IS-12-C3-03	
10-30 Vdc	NO	3 wires	order No.	95B061191	95B061181	95B061591	95B061581	
	NPN			IS-12-A4-S2	IS-12-A4-03	IS-12-C4-S2	IS-12-C4-03	
10-30 Vdc	NC	3 wires	order No.	95B061221	95B061211	95B061621	95B061611	
	PNP							
10-30 Vdc	NO-NC	4 wires	order No.					
	NPN		oraci itoi					
10-30 Vdc	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	
			order No.				330004110	
20-250 Vac/Vdc	NO	2 wires	order No.					
			order No.					
20-250 Vac/Vdc	NC	2 wires	N -					
			order No.					
20-250 Vac	NO	2/3 wires	N -					
			order No.					
10-30 Vdc	Analog 0-20 mA	3 wires	N -					
	0-20 IIIA		order No.					
NAMUR amplifier	NAMUR	2 wires	N -					
-			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)				
Min. Output Curre				> 1,6 mA (2wires)				
Residual Current				< 10mA; < 1,6 mA (2wires)				
Voltage Drop				< 1,8V; < 6,5 V (2wires)				
Operation Led				Yellow	Yellow	Yellow	Yellow	
Switching Frequer	ncv			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				
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	IP67	IP67	
Cable Length					2 m	1P07 	2 m	
Cable Section					2/3/4 x 0,25 mm²		2/3/4 x 0,25 mm²	
Housing Material								
Housing Material Weight - Cable Out	nut			Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
· ·	•				110 g 		110 g 	
Weight - Connecto	output			60 g		60 g		

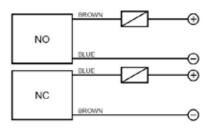


	SH	ORT	
FLU	SH	NON F	LUSH
M12 conn	cable	M12conn	cable
2 mm	2 mm	4 mm	4 mm
IS-12-B1-S2	IS-12-B1-03	IS-12-D1-S2	IS-12-D1-03
95B062051	95B062041	95B062451	95B062441
IS-12-B2-S2	IS-12-B2-03	IS-12-D2-S2	IS-12-D2-03
95B062081	95B062071	95B062481	95B062471
IS-12-B3-S2	IS-12-B3-03	IS-12-D3-S2	IS-12-D3-03
95B061991	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 0,25 mm²		3 x 0,25 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
	110 g		110 g
	- U		. 0

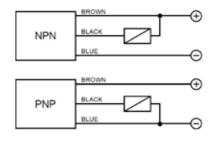
60 g

60 g

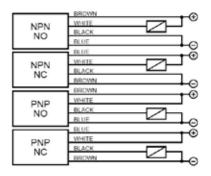
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

A mileste	Contacts numbers				
Average.	3.	2	3	4	
NO	+		-		
NC	. E .		+		

3 wires

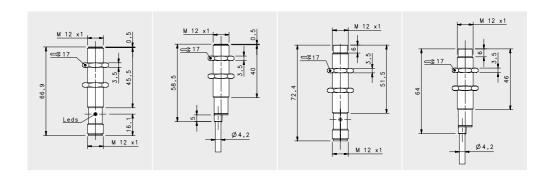
C	ONTACT	CONFIGU	RATION	
Children Co.		Contacts	numbers	-
Available	-1	2	3	4
(NO or NO)	+		-	NONG

4 wires (PNP/NPN, NO/NC)

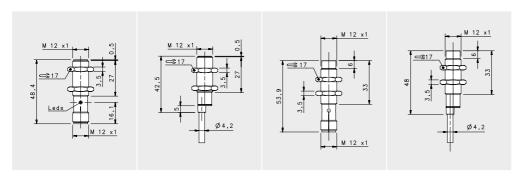
Output	Contacts numbers				
	-1	2	3	4	
NPN NO	+	NO		-	
NPN NC	-	NC	+:	-	
PNP NO	+	+	-	NO	
PNP NC	-		4	NC	

BASIC M12

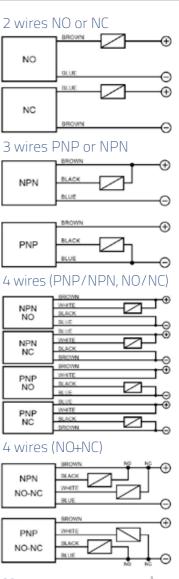




				STANDARD X2			
				FL	JSH		FLUSH
				M12 conn	cable	M12 conn	cable
IOMINAL SWITCH	IING DISTAN	CE		4 1	nm	8 r	nm
10-30 Vdc	PNP/NPN	4 wires		IS-12-E0-S2	IS-12-E0-03	IS-12-F0-S2	IS-12-F0-03
	NO-NC		order No.	95B067230	95B067190	95B067250	95B067210
10-30 Vdc	PNP NO	3 wires	and an Na	IS-12-E1-S2		IS-12-F1-S2	
			order No.	95B067030 		95B067020 	
10-30 Vdc	PNP NC	3 wires	order No.				
	NPN		Order No.				
10-30 Vdc	NO	3 wires	order No.				
	NPN						
10-30 Vdc	NC	3 wires	order No.				
40.201/1	PNP						
10-30 Vdc	NO-NC	4 wires	order No.				
10-30 Vdc	NPN	4 wires					
10-30 Vuc	NO-NC	4 WITES	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
10 30 vac	NO NC	2 WIICS	order No.	95B067240	95B067200	95B067260	95B067220
20-250 Vac/Vdc	NO	2 wires					
250 vac, vac	110	2 Wiles	order No.				
20-250 Vac/Vdc	NC	2 wires					
			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.				
			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)			
Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Freque	ncy			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				< 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	1			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							
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Out	•						
Weight - Connecto	r Output			60 g	60 g	60 g	60 g



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



M12 connector connections



2 wires NO or NC

CONTACTS CONFIGURATION					
	Contacts numbers				
AVERBORE :	1	2	3	- 4	
NO	+		-		
NC			+		

3 wires

C	ONTACT	CONFIGU	RATION	
Terrene T		Contacts	numbers	
- Available	1	2	3	4
(NO or NO)	+		-	NONG

4 wires (PNP/NPN, NO/NC)

Output		Contacts	numbers	
	1	2	3	- 4
NPN NO	+	NO	1.00	-
NPN NC	-	NC	+	-
PNP NO	+	+	-	NO
PNPNC	-	+	+	NO

4 wires (NO+NC)

BURNEY.		Contacts	numbers	
Available -	- 1	2	3	4
(NO+NC)	+	NC:	-	790