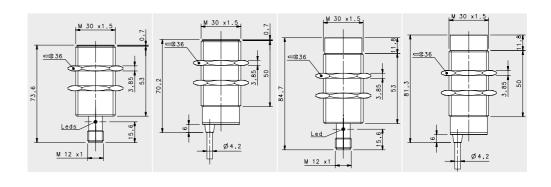
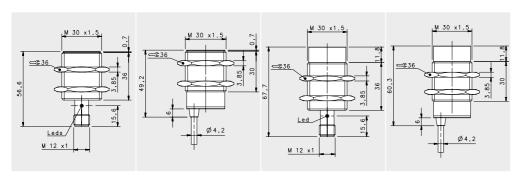
BASIC M30





				STANDARD			
				FLI	JSH	NON I	FLUSH
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	IING DISTAN	CE		10 mm	10 mm	15 mm	15 mm
	PNP/NPN	T		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
	PNP			IS-30-A1-S2	IS-30-A1-03	IS-30-C1-S2	IS-30-C1-03
10-30 Vdc	NO	3 wires	order No.	95B061431	95B061421	95B061831	95B061821
10. 20.1/4-	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
10 20 1/4-	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 20 1/4-	NPN	2		IS-30-A4-S2	IS-30-A4-03	IS-30-C4-S2	IS-30-C4-03
10-30 Vdc	NC	3 wires	order No.	95B061411	95B061401	95B061811	95B061801
10 20 //4-	PNP	/ vuinaa					
10-30 Vdc	NO-NC	4 wires	order No.				
10-30 Vdc	NPN	4 wires					
10-30 vac	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 vac	NO-NC	2 WITES	order No.	95B064570	95B064530	95B064590	95B064550
20. 2E0.Vac/Vdc	NO	2 wires					
20-250 Vac/Vdc	NO	2 WITES	order No.				
20-250 Vac/Vdc	NC	2 wires					
20-250 VaC/ VUC	INC	2 wires	order No.				
20-250 Vac	NO	2/3 wires					
20-250 Val	NO	2/3 WILES	order No.				
10-30 Vdc	Analog	3 wires					
10-30 vac	0-20 mA	5 WITES	order No.				
NAMUR amplifier	NAMUR	2 wires					
NAMON 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 Currei	nt			200mA; 100 mA (2wires)			
Min. Output Curre				> 1,6 mA (2wires)			
Residual Current				< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA
/oltage Drop				< 1,8V; < 6,5 V (2wires)			
Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Frequer	ncv			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	- 1			< 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
Table Length					2 m		2 m
Table Section					2/3/4 x 0,25 mm²		2/3/4 x 0,25 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Out	put				210 g		210 g
Weight - Connecto	•			170 g		170 g	

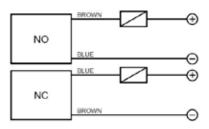


	SH	ORT	
FLU	JSH	NON F	LUSH
M12 conn	cable	M12 conn	cable
10 mm	10 mm	15 mm	15 mm
IS-30-B1-S2	IS-30-B1-03	IS-30-D1-S2	IS-30-D1-03
95B062231	95B062221	95B062631	95B062621
IS-30-B2-S2	IS-30-B2-03	IS-30-D2-S2	IS-30-D2-03
95B062251	95B062241	95B062651	95B062641
IS-30-B3-S2	IS-30-B3-03	IS-30-D3-S2	IS-30-D3-03
95B062191	95B062181	95B062591	95B062581
IS-30-B4-S2	IS-30-B4-03	IS-30-D4-S2	IS-30-D4-03
95B062211	95B062201	95B062611	95B062601
40.20.14-1.45.440%	40 20 \/ - / 45 (40%)	40 70 14-1 45 (40%)	40 20 14- / 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% 200 mA	< 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	
< 50 ms	< 50 ms	< 50 ms	300 Hz < 50 ms
	< 3%		
< 3%		< 3% Procent (self-resetting)	Crocopt (solf recetting)
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 0,25 mm²		3 x 0,25 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
	210 g		210 g

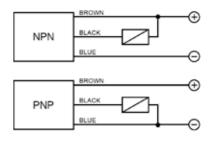
170 g

170 g

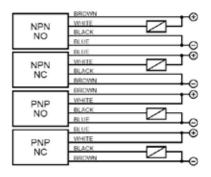
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

A. marianta	Contacts numbers			
Average .	1	2	3	4
NO	+		77	
NC	E		+	

3 wires

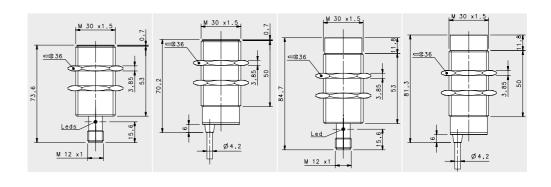
C	ONTACT	S CONFIGU	RATION	
Available		Contacts	numbers	
Available	- 11	2	3	4
(NO or NO)	+		-	NO/NO

4 wires (PNP/NPN_NO/NC)

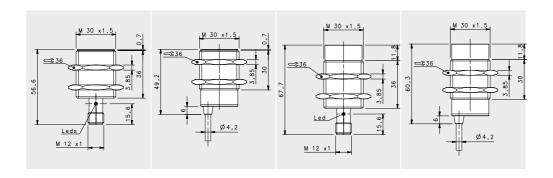
Outro	Contacts numbers				
Output	-1	2	3	4	
NPN NO	+	NO		-	
NPN NC	-	NC	+:	-	
PNP NO	+	+	-	NO	
PNP NC		+	+	NO	

BASIC M30

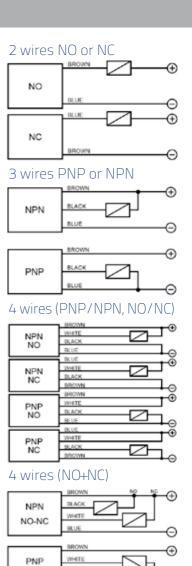




				STANDARD X2			
				FLI	JSH	NON-	FLUSH
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	IING DISTAN	CE		15mm	15mm	20 mm	20 mm
	PNP/NPN			IS-30-E0-S2	IS-30-E0-03	IS-30-F0-S2	IS-30-F0-03
10-30 Vdc	NO-NC	4 wires	order No.	95B067390	95B067350	95B067410	95B067370
	PNP			IS-30-E1-S2			
10-30 Vdc	NO	3 wires	order No.	95B067060			
	PNP	Ī					
10-30 Vdc	NC	3 wires	order No.				
	NPN						
10-30 Vdc	NO	3 wires	order No.				
10. 201/1	NPN	. .					
10-30 Vdc	NC	3 wires	order No.				
10. 201/1	PNP	, .					
10-30 Vdc	NO-NC	4 wires	order No.				
10 20 1/4-	NPN						
10-30 Vdc	NO-NC	4 wires	order No.				
10-30 Vdc	NO-NC	2 wires		IS-30-E9-S2	IS-30-E9-03	IS-30-F9-S2	IS-30-F9-03
10-30 vac	NO-NC	2 WITES	order No.	95B067400	95B067360	95B067420	95B067380
20. 2E0.Vac/Vdc	NO	2 wires					
20-250 Vac/Vdc	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	2/3 wires					
20-250 Vac	NO	2/3 WILES	order No.				
10-30 Vdc	Analog	3 wires					
10-30 vuc	0-20 mA	2 Miles	order No.				
NAMUR amplifier	NAMUR	2 wires					
- I without amplifier	TWINION	2 Wiles	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 Currei	nt			200 mA	200 mA	200 mA	200 mA
Min. Output Curre							
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA
/oltage Drop				< 6,5 V (I=100mA)			
Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Frequer	ncv			200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-N
Start Up Delay	- 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 inductive loads			
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67	IP67
Table Length							
Table Section							
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Out	put						
Weight - Connecto				170 g	170 g	170 g	170 g



	SHOI	RT X2	
FLU	JSH		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 inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa 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
	210 g		210 g
170 g		170 g	



M12 connector connections

NO-NC

2 wires NO or NC

*********	CONTACTS CONFIGURATION Contacts numbers			
Avalable	-1	2	- 5	- 4
NO	+		-	
NC	-		+	

3 wires

C	ONTACTO	CONFIGL	RATION	
The second	Contacts numbers			
WARRISTIE	1	2	3	4
(NO or NC)	+		- +0	NOING

4 wires (PNP/NPN, NO/NC)

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

4 wires (NO+NC)

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