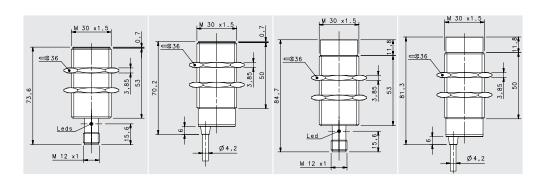
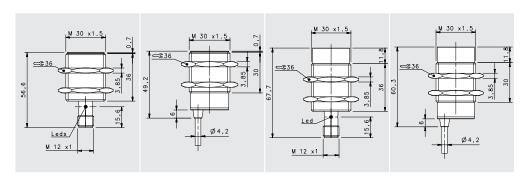
BASIC M30



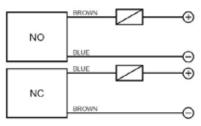


				STANDARD				
				FLL	JSH	NON I	LUSH	
				M12 conn	cable	M12 conn	cable	
NOMINAL SWITCH	IING DISTAN	CE		10 mm	10 mm	15 mm	15 mm	
	PNP/NPN	l		IS-30-A0-S2	IS-30-A0-03	IS-30-C0-S2	IS-30-C0-03	
10-30 Vdc	NO-NC	4 wires	order No.	95B064490	95B064460	95B064510	95B064470	
	PNP			IS-30-A1-S2	IS-30-A1-03	IS-30-C1-S2	IS-30-C1-03	
10-30 Vdc	NO	3 wires	order No.	95B061431	95B061421	95B061831	95B061821	
10.20111	PNP	. .		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. 20.1/4-	PNP	/t						
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		IS-30-A9-S2	IS-30-A9-03	IS-30-C9-S2	IS-30-C9-03	
10-30 Vdc	NO-NC	2 wires	order No.	95B064570	95B064530	95B064590	95B064550	
20. 250 1/ /1/-	NO	2						
20-250 Vac/Vdc	NO	2 wires	order No.					
20-250 Vac/Vdc	NC	2 wires	NC 2 wires					
:0-250 Vac/ Vuc	IVC	2 WITES	order No.					
20-250 Vac	NO	2/3wires						
:0-250 Vac	INO	2/3 WIIES	order No.					
10-30 Vdc	Analog	3 wires						
10-30 vuc	0-20 mA	3 WIIES	order No.					
NAMUR amplifier	NAMUR	2 wires						
VAIVIOR amplifier	NAMON	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)				
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)				
peration Led				Yellow	Yellow	Yellow	Yellow	
witching 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)	
lectric Protection	1			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	
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		

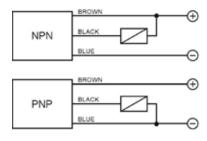


	SH	ORT	
FLU		NON F	LUSH
M12 conn	cable	M12 conn	cable
10 mm	10 mm	15 mm	15 mm
IS-30-B1-S2	IS-30-B1-03	IS-30-D1-S2	IS-30-D1-03
95B062231	95B062221	95B062631	95B062621
IS-30-B2-S2	IS-30-B2-03	IS-30-D2-S2	IS-30-D2-03
95B062251	95B062241	95B062651	95B062641
IS-30-B3-S2	IS-30-B3-03	IS-30-D3-S2	IS-30-D3-03
95B062191	95B062181	95B062591	95B062581
IS-30-B4-S2	IS-30-B4-03	IS-30-D4-S2	IS-30-D4-03
95B062211	95B062201	95B062611	95B062601
10 201/1 / 45 /40%	40. 20.1/1 / 45./40%	10 20 11 / 15 (10%)	40. 20.11 / 45.(400)
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 0,25 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	
-		-	

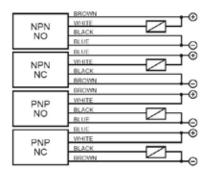
2 wires NO or NC



3 wires PNP or NPN



4 wires (PNP/NPN, NO/NC)



M12 connector - connections



2 wires NO or NC

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

3 wires

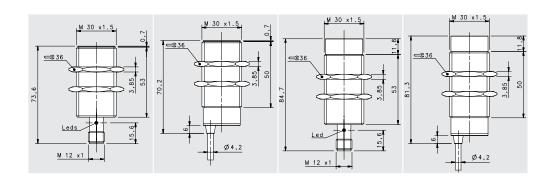
C	ONTACT	CONFIGU	RATION	
Available		Contacts	numbers	
Available	-1	2	3	4
(NO or NO)	+		-	NO/NO

4 wires (PNP/NPN, NO/NC)

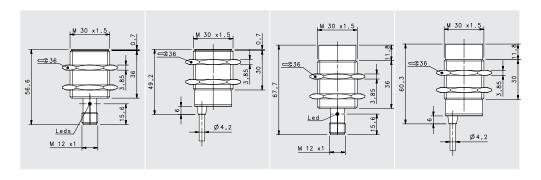
Ordered	Contacts numbers				
Output	-1	2	3	- 4	
NPN NO	+	NO	_	-	
NPN NC	-	. NC	+:	-	
PNP NO	+	+	-	NO	
PNP NC	-	+	+	NO	

BASIC M30

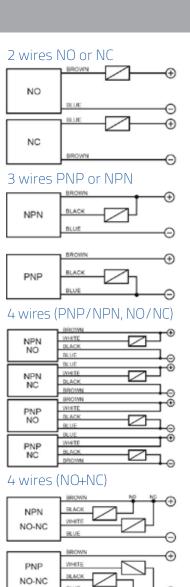




				STANDARD X2				
				FLU	JSH	NON-	FLUSH	
				M12 conn	cable	M12 conn	cable	
NOMINAL SWITCH	IING DISTAN	CE		15mm	15mm	20 mm	20 mm	
	PNP/NPN			IS-30-E0-S2	IS-30-E0-03	IS-30-F0-S2	IS-30-F0-03	
10-30 Vdc	NO-NC	4 wires	order No.	95B067390	95B067350	95B067410	95B067370	
	PNP			IS-30-E1-S2				
10-30 Vdc	NO	3 wires	order No.	95B067060		***		
	PNP							
10-30 Vdc	NC	3 wires	order No.					
10. 70.1/4-	NPN	3						
10-30 Vdc	NO	3 wires	order No.					
10 20 1/4-	NPN	2 mines						
10-30 Vdc	NC	3 wires	order No.					
10-30 Vdc	PNP	4 wires						
10-50 vac	NO-NC	4 WIIES	order No.					
10-30 Vdc	NPN	4 wires						
10-30 vuc	NO-NC	4 WIIES	order No.					
0-30 Vdc	NO-NC	2 wires		IS-30-E9-S2	IS-30-E9-03	IS-30-F9-S2	IS-30-F9-03	
10-30 vac	INO-INC	Z WIICS	order No.	95B067400	95B067360	95B067420	95B067380	
20-250 Vac/Vdc	NO	2 wires						
20-230 vac/ vac	INO	2 WIIC3	order No.					
20-250 Vac/Vdc	NC	2 wires						
250 vac/ vac	IVC	2 WIICS	order No.					
20-250 Vac	NO	2/3 wires						
		2,51165	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%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
lysteresis				< 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	ncy			200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-N	
Start Up Delay				< 75 ms	< 75 ms	< 75 ms	< 75 ms	
Repeatability				< 3%	< 3%	< 3%	< 3%	
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Electric Protection				Against polarity reversal inductive loads				
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	IP67	IP67	
Table Length								
Cable Section								
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Weight - Cable Out	put							
Weight - Connecto	r Output			170 g	170 g	170 g	170 g	



	SHO	RT X2	
FLU		NON F	LUSH
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 20 11 / 45 /40%	40 20 11 / 45 (400)	40 20 1/1 / 45 /40%	40.20111 / 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 0,25 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	
- 0		- 0	



M12 connector connections

2 wires NO or NC

CONTACTS CONFIGURATION					
ACCORDED	Contacts numbers				
M/MINDIN	1	2	5	- 4	
NO	+		100		
NC	-		+		

3 wires

C	ONTACTS	CONFIGL	RATION	
The second		Contacts	numbers	
Average	1	2	3	4
(NO or NC)	+	1000		NOING

4 wires (PNP/NPN, NO/NC)

	Contacts numbers				
Output	t	2	3	4	
NPN NO	+	NO	1.000		
NPN NC	-	NC	+	-	
PNP NO	+	+	-	NO	
PNP.NC	-	+	+	NO	

4 wires (NO+NC)

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