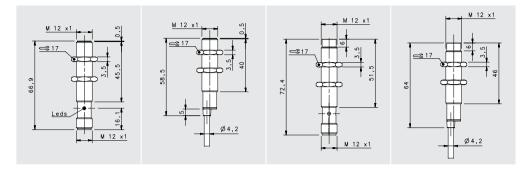
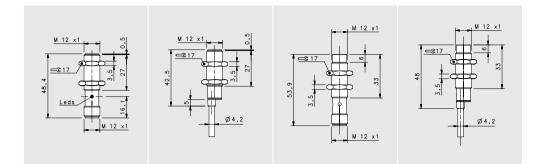
## **BASIC M12**





				STANDARD			
				FLUSH		NON FLUSH	
				M12 conn	cable	M12 conn	cable
IOMINAL SWITCH	HING DISTAN	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
	NO-NC	4 wires	order No.	95B064060	95B064030	95B064080	95B064040
10-30 Vdc PNP NO	PNP			IS-12-A1-S2	IS-12-A1-03	IS-12-C1-S2	IS-12-C1-03
		3 wires	order No.	95B061251	95B061241	95B061651	95B061641
	PNP	3 wires		IS-12-A2-S2	IS-12-A2-03	IS-12-C2-S2	IS-12-C2-03
10-30 Vdc	NC		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 Vac	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 PNP		3 wires	order No.	95B061221	95B061211	95B061621	95B061611
	DND						
	NO-NC	3 wires	order No.				
10-30 Vdc	NPN	3 wires	order No.				
	NO-NC		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
		2 wires	order No.				950004110
20-250 Vac/Vdc	NO		and an Na				
			order No.				
20-250 Vac/Vdc	NC	2 wires					
			order No.				
20-250 Vac/Vdc	NO	2/3 wires	order No.				
Analog 0-20mA	-	3 wires					
7111105 0 2011/1			order No.				
5+24 Vdc	NAMUR	2 wires					
		2 111105	order No.				
N					40 2014-145 (40%)		40 2014-145 (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				200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires
Min. Output Curre	ent			> 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 (2wire
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 Frequency				1000 Hz	1000 Hz	1000 Hz	1000 Hz
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms
Repeability				< 3%	< 3%	< 3%	< 3%
Short Circuit Protection				Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting
Electric Drotostico				Against polarity reversal	Against polarity reversal	Against polarity reversal	Against polarity reversa

Against polarity reversal Against polarity reversal Against polarity reversal Against polarity reversal Electric Protection inductive loads inductive loads inductive loads inductive loads (-25 ... +70 °C) (-25 ... +70 °C) Temperature Limit (-25 ... +70 °C) (-25 ... +70 °C) Protection Degree IP67 IP67 IP67 IP67 Cable Length ----2 m 2 m ------------2/3/4 x 0,25 mm² Cable Section 2/3/4 x 0,25 mm² Housing Material Nickel-plated brass Nickel-plated brass Nickel-plated brass Nickel-plated brass . 110 g . 110 g Weight - Cable Output --------60 g Weight - M12 Connector Output 60 g --------



	SR	ORT		
FLU	ISH	NON F	NON 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)	< 1,8 V (I=100mA)	< 1,8 V (I=100mA)	< 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 reversa	
inductive loads	inductive loads	inductive loads	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	
60 g		60 g		

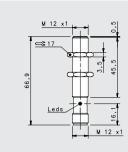
BASIC

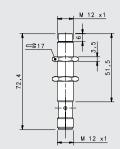
## BASIC M12



Weight - Cable Output

Weight - M12 Connector Output





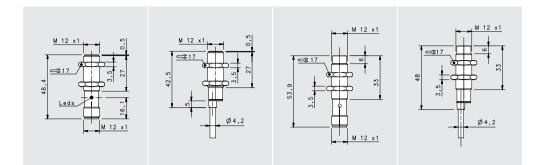
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60 g

				STANDARD X2		
				FLUSH	NON FLUSH	
				M12 conn	M12 conn	
OMINAL SWITCH	HING DISTAN	CE		4 mm	8 mm	
0.001/1	PNP/NPN	, .				
0-30 Vdc	NO-NC	4 wires	order No.			
10-30 Vdc	PNP	3 wires		IS-12-E1-S2	IS-12-F1-S2	
	NO	5 WIES	order No.	95B067030	95B067020	
0-30 Vdc PNP NC		3 wires				
			order No.			
	NPN	3 wires				
	NO		order No.			
10-30 Vdc	NPN NC	3 wires	and an Na			
			order No.			
0-30 Vdc	PNP NO-NC	3 wires	order No.			
	NPN		order No.			
0-30 Vdc	NO-NC	3 wires	order No.			
			order ivo.			
0-30 Vdc	NO-NC	2 wires	order No.			
0-250 Vac/Vdc	NO	2 wires	order No.			
		2 wires				
20-250 Vac/Vdc	NC		order No.			
	NO	2/3 wires	order No.			
0-250 Vac/Vdc	NO					
nalog 0-20mA	_	3 wires				
inalog 0-2011A	-		order No.			
+24 Vdc	NAMUR	2 wires				
124 100	NAMOR	2 WIICS	order No.			
ominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
esidual Ripple				< 10%	< 10%	
ysteresis				< 10%	< 10%	
lax. Output Curre	nt			100 mA	100 mA	
lin. Output Curre						
esidual Current				< 10 mA	< 10 mA	
oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	
peration Led				Yellow	Yellow	
witching Freque	ncy			500 Hz	500 Hz	
tart Up Delay	,			< 75 ms	< 75 ms	
epeability				< 3%	< 3%	
Short Circuit Protection				Present (self-resetting)	Present (self-resetting)	
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	
able Length						
able Section						
lousing Material				Nickel-plated brass	Nickel-plated brass	
Weight - Cable Output						

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60 g



	SHO	RT X2	
FLL	ISH		LUSH
M12 con	cable	M12 conn	cable
4 mm	4 mm	8 mm	8 mm
IS-12-G0-S2	IS-12-G0-03	IS-12-H0-S2	IS-12-H0-03
95B064070	95B063841	95B064090	95B064050
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
IS-12-G9-S2	IS-12-G9-03	IS-12-H9-S2	IS-12-H9-03
95B064130	95B063801	95B064150	95B064120
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	500 Hz	500 Hz	500 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
	110 g		110 g
60 g		60 g	