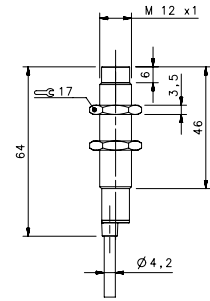
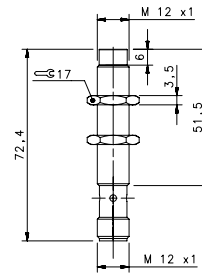
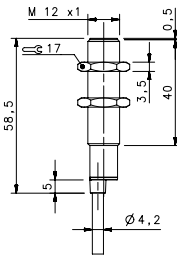
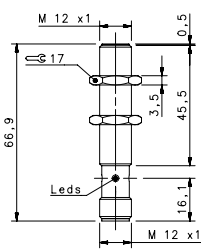


BASIC



BASIC M12



STANDARD X2

FLUSH

NON FLUSH

M12 conn

cable

M12 conn

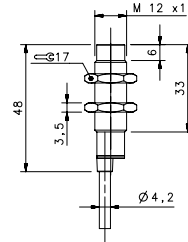
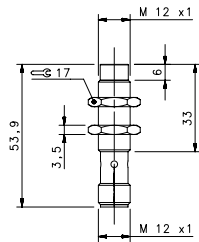
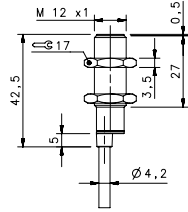
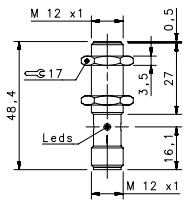
cable

NOMINAL SWITCHING DISTANCE

4 mm

8 mm

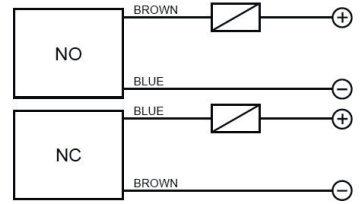
			4 mm		8 mm	
10-30 Vdc	PNP/NPN NO-NC	4 wires	IS-12-E0-S2 order No. 95B067230	IS-12-E0-03 95B067190	IS-12-F0-S2 95B067250	IS-12-F0-03 95B067210
10-30 Vdc	PNP NO	3 wires	IS-12-E1-S2 order No. 95B067030	IS-12-E1-03 95B067670	IS-12-F1-S2 95B067020	IS-12-F1-03 95B067740
10-30 Vdc	PNP NC	3 wires	IS-12-E2-S2 order No. 95B067640	IS-12-E2-03 95B067680	IS-12-F2-S2 95B067710	IS-12-F2-03 95B067750
10-30 Vdc	NPN NO	3 wires	IS-12-E3-S2 order No. 95B067650	IS-12-E3-03 95B067690	IS-12-F3-S2 95B067720	IS-12-F3-03 95B067760
10-30 Vdc	NPN NC	3 wires	IS-12-E4-S2 order No. 95B067660	IS-12-E4-03 95B067700	IS-12-F4-S2 95B067730	IS-12-F4-03 95B067770
10-30 Vdc	PNP NO-NC	4 wires	---	---	---	---
10-30 Vdc	NPN NO-NC	4 wires	---	---	---	---
10-30 Vdc	NO-NC	2 wires	IS-12-E9-S2 order No. 95B067240	IS-12-E9-03 95B067200	IS-12-F9-S2 95B067260	IS-12-F9-03 95B067220
20-250 Vac/Vdc	NO	2 wires	---	---	---	---
20-250 Vac/Vdc	NC	2 wires	---	---	---	---
20-250 Vac	NO	2/3 wires	---	---	---	---
10-30 Vdc	Analog 0-20 mA	3 wires	---	---	---	---
NAMUR amplifier	NAMUR	2 wires	---	---	---	---
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			100 mA	100 mA	100 mA	100 mA
Min. Output Current			---	---	---	---
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 Frequency			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-NC)
Start Up Delay			< 75 ms	< 75 ms	< 75 ms	< 75 ms
Repeatability			< 3%	< 3%	< 3%	< 3%
Short Circuit Protection			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 mm ² 3 x 0,14 mm ² 4 x 0,25 mm ²	---	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			* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
Weight - Cable Output			---	---	---	---
Weight - Connector Output			60 g	60 g	60 g	60 g



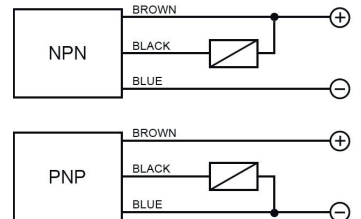
SHORT X2

FLUSH		NON FLUSH	
M12 con	con	M12 conn	con
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
---	---	---	---
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---	---	---	---
---	---	---	---
---	---	---	---
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/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-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	Against polarity reversal inductive loads	Against polarity reversal inductive loads	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 mm ² 4 x 0,25 mm ²	---	3 x 0,14 mm ² 4 x 0,25 mm ²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP	LCP
* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
---	110 g	---	110 g
60 g	---	60 g	---

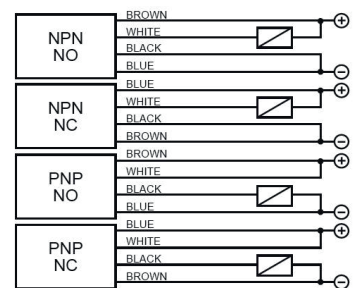
2 wires NO or NC



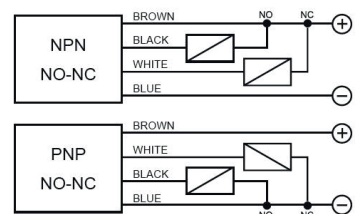
3 wires PNP or NPN



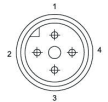
4 wires (PNP/NPN, NO/NC)



4 wires (NO+NC)



M12 connector connections



2 wires NO or NC

Available	CONTACTS CONFIGURATION			
	1	2	3	4
NO	+	-	-	-
NC	-	-	+	-

3 wires

Available	CONTACTS CONFIGURATION			
	1	2	3	4
(NO or NC)	+	-	-	NO/NC

4 wires (PNP/NPN, NO/NC)

Output	CONTACTS CONFIGURATION			
	1	2	3	4
NPN NO	+	NO	-	-
NPN NC	-	NC	+	-
PNP NO	+	+	-	NO
PNP NC	-	+	+	NC

4 wires (NO+NC)

Available	CONTACTS CONFIGURATION			
	1	2	3	4
(NO + NC)	+	NC	-	NO



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