

DATALOGIC AUTOMATION

M12 SERIES

There are millions of inductive sensors deployed in almost every area of factory automation. They detect metal objects contactless and are distinguished by a long operating life and extreme robustness. The Datalogic Automation inductive family provides the right solution to market requirements, offering a wide range of cylindrical and rectangular standard sensors with one or two set switching distances, available also with two, three or four wires connection models, short and standard housing and cable or connector version. Stainless steel version for both harsh environments or for FOOD applications.



Diversey ECOLAB

APPLICATIONS

Automatic warehouse



Trasportation lines



Automotive



Packaging lines



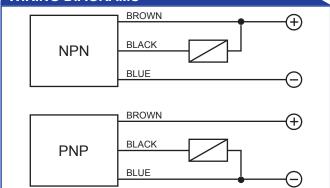
HIGHLIGHTS

- Wide range: suitable practically for all the industrial applications
- Stainless steel versions: suitable for food applications
- 1X and 2 X operating distances: high detection reliability and precise reading
- 2, 3 or 4 wire connection: flexible connection system to meet customer applications

10÷30 V DC - 3 WIRES NPN OR PNP OUTPUT

- Range, 2mm to 4mm flush, non flush
- Short housing models
- Cable or M8 and M12 quick connect models
- Operation LED
- Stainless steel housing

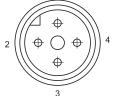
WIRING DIAGRAMS



CONNECTION WITH CONNECTOR M12

TECHNICAL DATA

	FLUSH	NON FLUSH
NOMINAL SWITCHING DISTANCE (Sn)	2 mm	4 mm
NOMINAL VOLTAGE	10 ÷ 30 VDC	(-15 / +10%)
RESIDUAL RIPPLE	≤ 1	0%
HYSTERESIS	< 1	0%
MAX. OUTPUT CURRENT	200	mA
RESIDUAL CURRENT	< 1() mA
VOLTAGE DROP (Sensor ON)	< 1.8 V (I	= 100 mA)
OPERATION LED	Yel	low
SWITCHING FREQUENCY	1000 Hz	
START UP DELAY	≤ 50 ms	
REPEATABILITY	≤ 3%	
SHORT CIRCUIT PROTECTION	Present (self-resetting)	
ELECTRIC PROTECTIONS	Against polarity reversal - inductive load	
TEMPERATURE LIMITS	- 25 ÷	+60 °C
PROTECTION DEGREE	IP	67
CABLE LENGTH	2	m
CABLE SECTION	3 x 0,2	25 mm ²
HOUSING MATERIAL	Nickel-plated brass Stainless steel	
WEIGHT - Cable output -	11	0 g
WEIGHT - M12 connector output -	60 g	



View of quadripole male connector

CONTACTS CONFIGURATION

Available	Contacts numbers			
Available	1	2	3	4
(NO or NC)	+		—	NO/NC

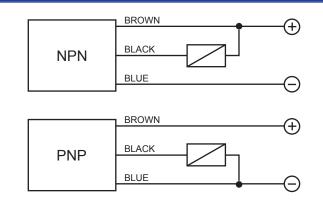
DIMENSIONS (mm) LED 27 40 LED uuuuuu CONFIGURATION Š SHORT WITH CABLE 7 Σ HOUSING 6 12 6 8 58 6 6 41 46 (27)* LED 5X CONFIGURATION WITH CONNECTOR ž M12 12 6 67,5 (49)* (*) The dimensions into brackets refer to short housing models. Note: the front part in blue refers to non flush models

CATALOGIC DATALOGIC AUTOMATION

10÷30 V DC - 3 WIRES NPN OR PNP OUTPUT

- Range, 4mm to 8mm flush, non flush
- Short housing models
- Cable or M12 quick connect models
- Operation LED

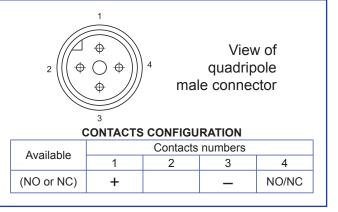
WIRING DIAGRAMS



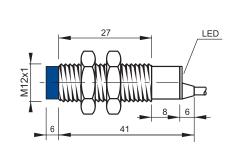
TECHNICAL DATA

	FLUSH	NON FLUSH	
NOMINAL SWITCHING DISTANCE (Sn)	4 mm	8 mm	
NOMINAL VOLTAGE	10 ÷ 30 VDC	(-15 / +10%)	
RESIDUAL RIPPLE	≤ 1	0%	
HYSTERESIS	< 1	0%	
MAX. OUTPUT CURRENT	200	mA	
RESIDUAL CURRENT	< 1() mA	
VOLTAGE DROP (Sensor ON)	< 1.2 V (I	= 100 mA)	
OPERATION LED	Yel	low	
SWITCHING FREQUENCY	500	Hz	
START UP DELAY	≤ 75 ms		
REPEATABILITY	≤ 3%		
SHORT CIRCUIT PROTECTION	Present (self-resetting)		
ELECTRIC PROTECTIONS	Against polarity reversal inductive loads		
TEMPERATURE LIMITS	- 25 ÷	+70 °C	
PROTECTION DEGREE	IP	67	
CABLE LENGTH	2 m		
CABLE SECTION	3 x 0,25 mm ²		
HOUSING MATERIAL	Nickel-plated brass		
WEIGHT - Cable output -	110 g		
WEIGHT - M12 connector output -	60 g		

CONNECTION WITH CONNECTOR M12

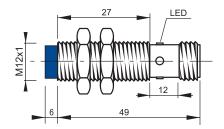


DIMENSIONS (mm)



CONFIGURATION WITH CABLE

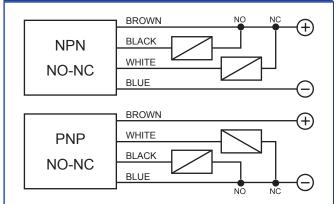
Note: the front part in white refers to non flush models



10÷30 V DC - 4 WIRES NPN OR PNP OUTPUT

- Range, 4mm to 8mm flush, non flush
- Short housing models
- Cable or M12 quick connect models
- 200mA NPN or PNP
- Operation LED

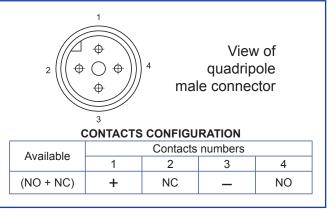
WIRING DIAGRAMS



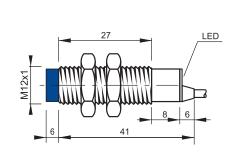
TECHNICAL DATA

	FLUSH	NON FLUSH
NOMINAL SWITCHING DISTANCE (Sn)	4 mm	8 mm
NOMINAL VOLTAGE	10 ÷ 30 VDC	(-15 / +10%)
RESIDUAL RIPPLE	≤ 1	0%
HYSTERESIS	< 1	0%
MAX. OUTPUT CURRENT	200	mA
RESIDUAL CURRENT	< 1() mA
VOLTAGE DROP (Sensor ON)	< 1.2 V (I	= 100 mA)
OPERATION LED	Yel	low
SWITCHING FREQUENCY	500 Hz	
START UP DELAY	≤ 75 ms	
REPEATABILITY	≤ 3%	
SHORT CIRCUIT PROTECTION	Present (self-resetting)	
ELECTRIC PROTECTIONS	Against polarity reversal inductive loads	
TEMPERATURE LIMITS	- 25 ÷	+70 °C
PROTECTION DEGREE	IP	67
CABLE LENGTH	2 m	
CABLE SECTION	3 x 0,25 mm ²	
HOUSING MATERIAL	Nickel-pla	ited brass
WEIGHT - Cable output -	11) g
WEIGHT - M12 connector output -	60 g	

CONNECTION WITH CONNECTOR M12

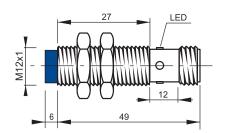


DIMENSIONS (mm)



CONFIGURATION WITH CABLE

Note: the front part in blue refers to non flush models



12÷30 V DC - 4 WIRES PROGRAMMABLE OUTPUT

- Programmable outputs: NPN/PNP, NO or NC
- Cable or M12 quick connect models
- Nickel plated brass

TECHNICAL DATA

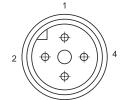
	FLUSH	NON FLUSH	
NOMINAL SWITCHING DISTANCE (Sn)	2 mm	4 mm	
NOMINAL VOLTAGE	12 ÷ 30 VDC	C (-15/+10%)	
RESIDUAL RIPPLE	≤ 1	0%	
HYSTERESIS	< 1	0%	
OUTPUT	NPN or PNP (m	ay be selected)	
CONTACT	NO or NC (ma	y be selected)	
MAX. CURRENT OUTPUT	200	mA	
ABSORPTION AT 24 VDC	< 1.	2 mA	
VOLTAGE DROP (Sensor ON)	< 1,8 V (I	= 100 mA)	
OPERATION LED	Yellow		
SWITCHING FREQUENCY	1000 Hz		
START UP DELAY	≤ 50 ms		
REPEATABILITY	≤ 3%		
SHORT CIRCUIT PROTECTION	Present (se	lf-resetting)	
ELECTRIC PROTECTIONS	Against polarity reve	rsal - inductive loads	
TEMPERATURE LIMITS	- 25 ÷	+70 °C	
PROTECTION DEGREE	IP	67	
CABLE LENGTH	2	m	
CABLE SECTION	4 x 0.25 mm ²		
HOUSING MATERIAL	Nickel-pla	ited brass	
WEIGHT - Cable output -	110 g		
WEIGHT - M12 connector output -	60 g		

WIRING DIAGRAMS

NPN NO	BROWN WHITE BLACK	
NPN	WHITE	
NC	BLACK	
	BROWN	
	BROWN	
PNP	WHITE	
NO	BLACK	
	BLUE	
	BLUE	+ (+)
PNP	WHITE	
NC	BLACK	
	BROWN	
L	-	0

Thanks to the output status which is not paired with the rest of the circuit, the sensors of this kind of availability give enormous advantages, such as the possibility of obtaining the four output configurations (NPN-NO, NPN-NC, PNP-NO, PNP-NC,) on the same model.

CONNECTION WITH CONNECTOR M12



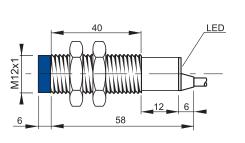
View of quadripole male connector

CONTACTS CONFIGURATION

Output	Contacts numbers			
Output	1	2	3	4
NPN NO	+	NO	—	—
NPN NC	—	NC	+	—
PNP NO	+	+	—	NO
PNP NC	_	+	+	NC

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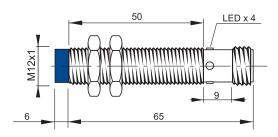
DIMENSIONS (mm)



CONFIGURATION WITH CABLE

Note: the front part in blue refers to non flush models.





12÷30 V DC - 4 WIRES PROGRAMMABLE OUTPUT

- Range, 4mm to 8mm flush, non flush
 Programmable outputs: NPN/PNP, NO or NC
- Cable or M12 quick connect models
- Nickel plated brass
- Operation LED
- 200 mA max output

TECHNICAL DATA

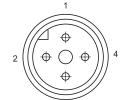
	FLUSH	NON FLUSH	
NOMINAL SWITCHING DISTANCE (Sn)	4 mm	8 mm	
NOMINAL VOLTAGE	12 ÷ 30 VDC	(-15/+10%)	
RESIDUAL RIPPLE	≤ 1	0%	
HYSTERESIS	< 1	0%	
OUTPUT	NPN or PNP (m	ay be selected)	
CONTACT	NO or NC (ma	y be selected)	
MAX. CURRENT OUTPUT	200	mA	
ABSORPTION AT 24 VDC	< 1.1	2 mA	
VOLTAGE DROP (Sensor ON)	< 1,8 V (I :	= 100 mA)	
OPERATION LED	Yellow		
SWITCHING FREQUENCY	500 Hz		
START UP DELAY	≤ 50 ms		
REPEATABILITY	≤ 3%		
SHORT CIRCUIT PROTECTION	Present (self-resetting)		
ELECTRIC PROTECTIONS	Against polarity reve	rsal - inductive loads	
TEMPERATURE LIMITS	- 25 ÷ ·	+70 °C	
PROTECTION DEGREE	IP	67	
CABLE LENGTH	2 m		
CABLE SECTION	4 x 0.25 mm ²		
HOUSING MATERIAL	Nickel-pla	ted brass	
WEIGHT - Cable output -	11() g	
WEIGHT - M12 connector output -	60 g		

WIRING DIAGRAMS

	BROWN	
NPN	BLACK	
NO	BLUE	
NPN	WHITE (+)	
NC	BLACK	
	BROWN	
PNP	WHITE	
NO	BLACK	
	BLUE	
PNP	WHITE	
NC	BLACK	
	BROWN	
L		

Thanks to the output status which is not paired with the rest of the circuit, the sensors of this kind of availability give enormous advantages, such as the possibility of obtaining the four output configurations (NPN-NO, NPN-NC, PNP-NO, PNP-NC,) on the same model.

CONNECTION WITH CONNECTOR M12

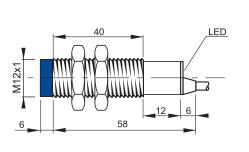


View of quadripole male connector

CONTACTS CONFIGURATION

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

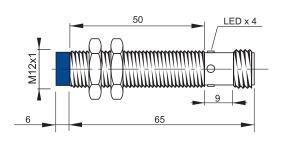
DIMENSIONS (mm)



CONFIGURATION WITH CABLE

Note: the front part in blue refers to non flush models.



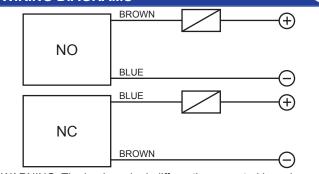


DATALOGIC AUTOMATION

10+30 V DC - 2 WIRES NO-NC PROGRAMMABLE OUTPUT

- Range, 2mm to 4mm flush, non flush
- Cable or M12 quick connect models
- Nickel plated brass

WIRING DIAGRAMS



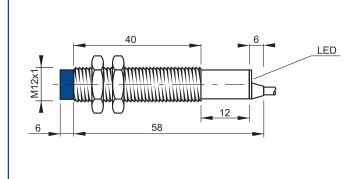
WARNING: The load can be indifferently connected in series to the blue wire or to the brown wire to simulate NPN or PNP functionning logic.

TECHNICAL DATA FLUSH NON FLUSH NOMINAL SWITCHING DISTANCE (Sn) 2 mm 4 mm 10 ÷ 30 VDC (-15 / +10%) NOMINAL VOLTAGE RESIDUAL RIPPLE ≤ 10% **HYSTERESIS** < 10% MAX. OUTPUT CURRENT 100 mA MIN. OUTPUT CURRENT > 1,6 mA RESIDUAL CURRENT < 1,6 mA VOLTAGE DROP < 6,5 V (I = 100 mA) OPERATION LED Yellow SWITCHING FREQUENCY 1000 Hz START UP DELAY ≤ 50 ms REPEATABILITY ≤ 3% SHORT CIRCUIT PROTECTION Present (self-resetting) Against polarity reversal ELECTRIC PROTECTIONS inductive loads TEMPERATURE LIMITS - 25 ÷ +70 °C PROTECTION DEGREE IP 67 CABLE LENGTH 2 m CABLE SECTION 2 x 0.25 mm² HOUSING MATERIAL Nickel-plated brass WEIGHT - Cable output -110 g WEIGHT - M12 connector output -60 g

CONNECTION WITH CONNECTOR M12 1 ¢ View of quadripole ¢ male connector Φ 3 **CONTACTS CONFIGURATION** Contacts numbers Available 1 2 3 4 NO + NC +

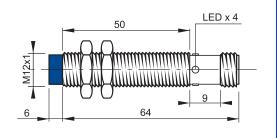
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DIMENSIONS (mm)



CONFIGURATION WITH CABLE

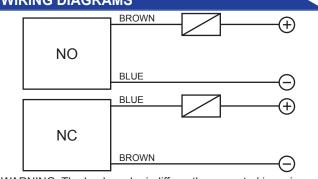
Note: the front part in blue refers to non flush models.



10+30 V DC 2 WIRES NO-NC PROGRAMMABLE OUTPUT

- Range, 4mm to 8mm flush, non flush
- M12 quick connect or integral cable
- Nickel plated brass

WIRING DIAGRAMS



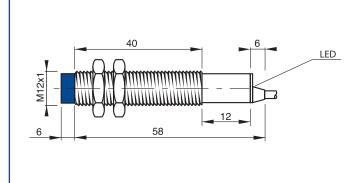
WARNING: The load can be indifferently connected in series to the blue wire or to the brown wire to simulate NPN or PNP functionning logic.

TECHNICAL DATA FLUSH NON FLUSH NOMINAL SWITCHING DISTANCE (Sn) 4 mm 8 mm 10 ÷ 30 VDC (-15 / +10%) NOMINAL VOLTAGE RESIDUAL RIPPLE ≤ 10% **HYSTERESIS** < 10% MAX. OUTPUT CURRENT 100 mA MIN. OUTPUT CURRENT > 1,6 mA RESIDUAL CURRENT < 1,6 mA VOLTAGE DROP < 6,5 V (I = 100 mA) OPERATION LED Yellow SWITCHING FREQUENCY 500 Hz START UP DELAY ≤ 50 ms ≤ 3% REPEATABILITY SHORT CIRCUIT PROTECTION Present (self-resetting) Against polarity reversal ELECTRIC PROTECTIONS inductive loads TEMPERATURE LIMITS - 25 ÷ +70 °C PROTECTION DEGREE IP 67 CABLE LENGTH 2 m CABLE SECTION 2 x 0.25 mm² HOUSING MATERIAL Nickel-plated brass WEIGHT - Cable output -110 g WEIGHT - M12 connector output -60 g

CONNECTION WITH CONNECTOR M12 1 ¢ View of quadripole ¢ male connector Φ 3 **CONTACTS CONFIGURATION** Contacts numbers Available 1 2 3 4 NO + NC +

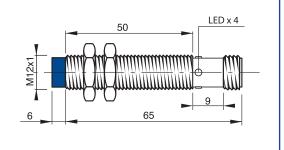
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DIMENSIONS (mm)



CONFIGURATION WITH CABLE

Note: the front part in blue refers to non flush models.

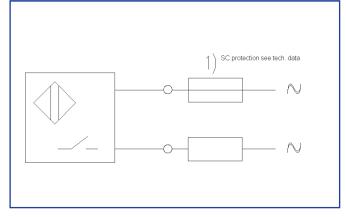


CATALOGIC DATALOGIC AUTOMATION

20+250 V AC - 2 OR 3 WIRES NO OUTPUT

- Range, 2mm flush
- Cable or M12 quick connect models
- Ultra low consumption < 0,7 mA
- Repeatability 5%
- 500mA max output

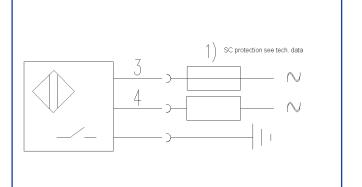
WIRING DIAGRAMS CABLE VERSION



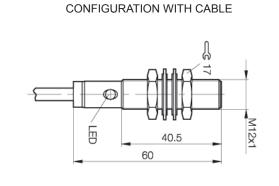
TECHNICAL DATA

	FLUSH	
NOMINAL SWITCHING DISTANCE (Sn)	2 mm	
NOMINAL VOLTAGE	20 ÷ 250 VAC	
NET FREQUENCY	50 ÷ 60 Hz	
HYSTERESIS	< 10%	
MAX. OUTPUT CURRENT	500 mA	
MIN. OUTPUT CURRENT	20 mA	
MAX. INRUSH CURRENT (20 ms)	1.5 A	
RESIDUAL CURRENT	< 0.7 mA	
VOLTAGE DROP (Sensor ON)	< 5 V (I = 100 mA)	
OPERATION LED	Yellow	
SWITCHING FREQUENCY	25 Hz	
START UP DELAY	≤ 300 ms	
REPEATABILITY	5%	
TEMPERATURE LIMITS	-25 ÷ +70 °C	
PROTECTION DEGREE	IP 67	
CABLE LENGTH	2 m	
CABLE SECTION	2 x 0.25 mm ²	
HOUSING MATERIAL	Nickel-plated brass	
WEIGHT - Cable output -	145 g	
WEIGHT - M12 connector output -	95 g	

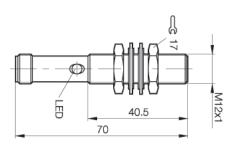
WIRING DIAGRAMS CONNECTOR VERSION



DIMENSIONS (mm)



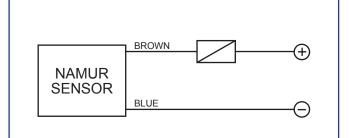
CONFIGURATION WITH CONNECTOR M12



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- 5÷24 V DC 2 WIRES
- Range, 2mm to 4mm flush, non flush
- Nickel plated brass
- Cable or M8 and M12 quick connect models

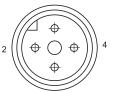
WIRING DIAGRAMS



CONNECTION WITH CONNECTOR M12

TECHNICAL DATA

	FLUSH	NON FLUSH
NOMINAL SWITCHING DISTANCE (Sn)	2 mm	4 mm
NOMINAL VOLTAGE	7.7 ÷ 9 V DC	
(Load resistence 1 K)		
DC SUPPLY VOLTAGE	5 ÷ 24	V DC
RESIDUAL RIPPLE	≤ 1	0%
HYSTERESIS	≤ 1	0%
OUTPUT CURRENT (Metal present)	≤ 1	mA
OUTPUT CURRENT (Metal absent)	≤ 3 mA	
SWITCHING FREQUENCY	2000 Hz	
REPEATABILITY	≤ 3%	
TEMPERATURE LIMITS	-25 ÷ +60 °C	
PROTECTION DEGREE	IP 67	
DEVICE MARKING	II 3D IF	P67 T6X
CABLE LENGTH	2	m
CABLE SECTION	2 x 0.25 mm ²	
HOUSING MATERIAL	Stainles	s - Steel
WEIGHT - Cable output -	110 g	
WEIGHT - M12 connector output -	60 g	



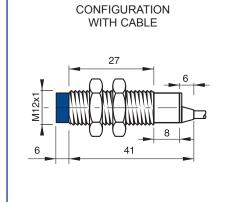
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View of quadripole male connector

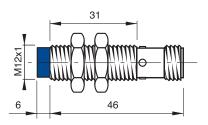
CONTACTS CONFIGURATION

Available	Contacts numbers					
	1	2	3	4		
NAMUR	+		—			

DIMENSIONS (mm)



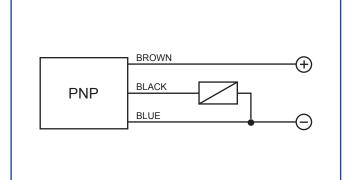
Note: the front part in blue refers to non flush models



10÷30 VDC - 3 WIRES PNP OUTPUT

- Range, 2mm to 4mm flush, non flush
- Stainless steel housing
- M12 quick connect models
- Operation LED

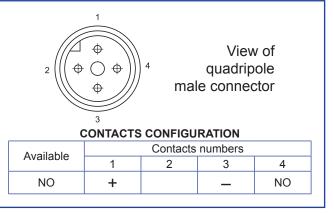
WIRING DIAGRAMS



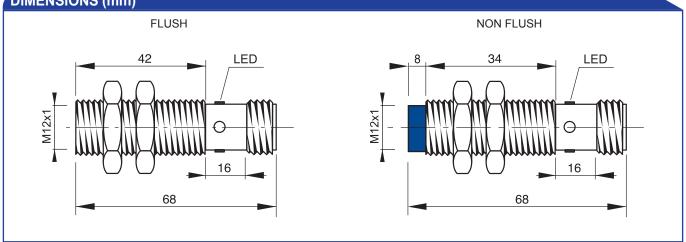
TECHNICAL DATA

	FLUSH	NON FLUSH		
NOMINAL SWITCHING DISTANCE (Sn)	2 mm	4 mm		
NOMINAL VOLTAGE	10 ÷ 30 VDC	(-15 / +10%)		
RESIDUAL RIPPLE	≤ 1	0%		
HYSTERESIS	< 1	5%		
MAX. OUTPUT CURRENT	200 mA			
RESIDUAL CURRENT	< 1() mA		
VOLTAGE DROP (Sensor ON)	< 1.5 V (I	= 100 mA)		
OPERATION LED	Pre	sent		
SWITCHING FREQUENCY	2000 Hz	1000 Hz		
REPEATABILITY	≤ 1%			
SHORT CIRCUIT PROTECTION	Present (se	If-resetting)		
TEMPERATURE LIMITS	- 25 ÷	+70 °C		
PROTECTION DEGREE	IP 67			
ACTIVE FACE MATERIAL	ETFE			
HOUSING MATERIAL	Stainles	ss Steel		
WEIGHT - M12 Connector output -	60) g		

CONNECTION WITH CONNECTOR M12



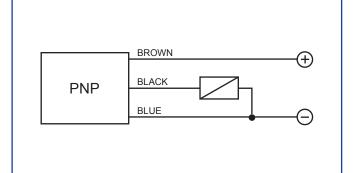
DIMENSIONS (mm)



10÷30 VDC - 3 WIRES PNP OUTPUT

- Range, 2mm to 4mm flush, non flush
- Stainless steel housing
- M12 quick connect models
 Operation LED

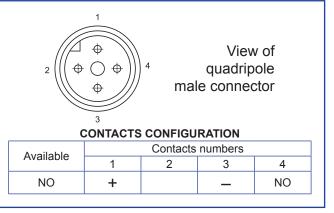
WIRING DIAGRAMS



TECHNICAL DATA

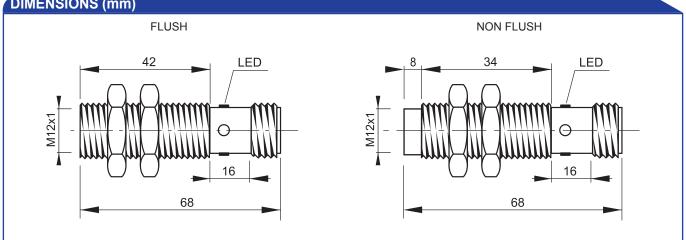
	FLUSH	NON FLUSH		
NOMINAL SWITCHING DISTANCE (Sn)	2 mm	4 mm		
NOMINAL VOLTAGE	10 ÷ 30 VDC	(-15 / +10%)		
RESIDUAL RIPPLE	≤ 1	0%		
HYSTERESIS	< 1	5%		
MAX. OUTPUT CURRENT	200	mA		
RESIDUAL CURRENT	< 1() mA		
VOLTAGE DROP (Sensor ON)	< 1.5 V (I	= 100 mA)		
OPERATION LED	Pre	sent		
SWITCHING FREQUENCY	2000 Hz	1000 Hz		
REPEATABILITY	≤ <i>′</i>	1%		
SHORT CIRCUIT PROTECTION	Present (se	If-resetting)		
TEMPERATURE LIMITS	- 25 ÷	+70 °C		
PROTECTION DEGREE	IP	IP 67		
ACTIVE FACE MATERIAL	Stainles	Stainless Steel		
HOUSING MATERIAL	Stainles	ss Steel		
WEIGHT - M12 Connector output -	60) g		

CONNECTION WITH CONNECTOR M12





DIMENSIONS (mm)



MODEL SELECTION AND ORDER INFORMATION

2MT CABLE

CODE	MODEL	RANGE	HOUSING	STEEL AISI316L	FLUSH	WIRES	NPN/PNP	NO/NC
95B061181	IS-12-A3-03	1X	STANDARD		•	3	NPN	NO
95B061211	IS-12-A4-03	1X	STANDARD		•	3	NPN	NC
95B061241	IS-12-A1-03	1X	STANDARD		•	3	PNP	NO
95B061271	IS-12-A2-03	1X	STANDARD		•	3	PNP	NC
95B061581	IS-12-C3-03	1X	STANDARD			3	NPN	NO
95B061611	IS-12-C4-03	1X	STANDARD			3	NPN	NC
95B061641	IS-12-C1-03	1X	STANDARD			3	PNP	NO
95B061671	IS-12-C2-03	1X	STANDARD			3	PNP	NC
95B061981	IS-12-B3-03	1X	SHORT		•	3	NPN	NO
95B062011	IS-12-B4-03	1X	SHORT		•	3	NPN	NC
95B062041	IS-12-B1-03	1X	SHORT		•	3	PNP	NO
95B062071	IS-12-B2-03	1X	SHORT		•	3	PNP	NC
95B062381	IS-12-D3-03	1X	SHORT			3	NPN	NO
95B062411	IS-12-D4-03	1X	SHORT			3	NPN	NC
95B062441	IS-12-D1-03	1X	SHORT			3	PNP	NO
95B062471	IS-12-D2-03	1X	SHORT			3	PNP	NC
95B062661	IS-12-G6-03	2X	SHORT		•	4	NPN	NO-NC
95B062681	IS-12-G5-03	2X	SHORT		•	4	PNP	NO-NC
95B062741	IS-12-H6-03	2X	SHORT			4	NPN	NO-NC
95B062761	IS-12-H5-03	2X	SHORT			4	PNP	NO-NC
95B063321	IS-12-G3-03	2X	SHORT		•	3	NPN	NO
95B063341	IS-12-G4-03	2X	SHORT		•	3	NPN	NC
95B063361	IS-12-G1-03	2X	SHORT		•	3	PNP	NO
95B063381	IS-12-G2-03	2X	SHORT		•	3	PNP	NC
95B063401	IS-12-H3-03	2X	SHORT			3	NPN	NO
95B063421	IS-12-H4-03	2X	SHORT			3	NPN	NC
95B063441	IS-12-H1-03	2X	SHORT			3	PNP	NO
95B063461	IS-12-H2-03	2X	SHORT			3	PNP	NC
95B063801	IS-12-G9-03	2X	SHORT		•	2		PROG
95B063841	IS-12-G0-03	2X	SHORT		•	4	PROG	PROG
95B064030	IS-12-A0-03	1X	STANDARD		٠	4	PROG	PROG
95B064040	IS-12-B0-03	1X	SHORT			4	PROG	PROG
95B064050	IS-12-H0-03	2X	SHORT			4	PROG	PROG
95B064100	IS-12-A9-03	1X	STANDARD		•	2		PROG
95B064110	IS-12-B9-03	1X	SHORT			2		PROG
95B064120	IS-12-H9-03	2X	SHORT			2		PROG
95B064160	IS-12-A20-03	1X	STANDARD		•	2		
95B064170	IS-12-C20-03	1X	STANDARD			2		
95B060680	IS-12-A15-03	1X	STANDARD		•	2		NO

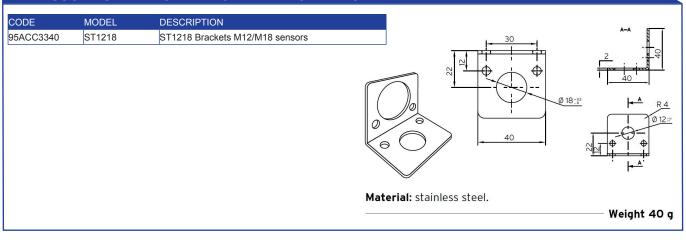
MODEL SELECTION AND ORDER INFORMATION

M12 CONNECTOR

CODE	MODEL	RANGE	HOUSING	STEEL AISI316L	FLUSH	WIRES	NPN/PNP	NO/NC
95B060000	IS-12-01-S2	2X	SHORT	•	1 20011	3	PNP	
95B060010	IS-12-01-32	2X	SHORT	•	•	3	PNP	
95B060020	IS-12-03-S2	2X	SHORT	•	•	3	NPN	
95B060030	IS-12-04-S2	2X	SHORT	•	•	3	NPN	
95B060040	IS-12-P1-S2	2X	SHORT	•		3	PNP	
95B060050	IS-12-P2-S2	2X	SHORT	•		3	PNP	
95B060060	IS-12-P3-S2	2X	SHORT	•		3	NPN	
95B060070	IS-12-P4-S2	2X	SHORT	•		3	NPN	
95B060240	IS-12-M1-S2	1X	SHORT	•	•	3	PNP	
95B060250	IS-12-M2-S2	1X	SHORT	•	•	3	PNP	
95B060260	IS-12-M3-S2	1X	SHORT	•	•	3	NPN	
95B060270	IS-12-M4-S2	1X	SHORT	•	•	3	NPN	
95B060280	IS-12-N1-S2	1X	SHORT	•		3	PNP	
95B060290	IS-12-N2-S2	1X	SHORT	•		3	PNP	
95B060300	IS-12-N3-S2	1X	SHORT	•		3	NPN	
95B060310	IS-12-N4-S2	1X	SHORT	•		3	NPN	
95B061191	IS-12-A3-S2	1X	STANDARD		•	3	NPN	
95B061221	IS-12-A4-S2	1X	STANDARD		•	3	NPN	
95B061251	IS-12-A1-S2	1X 1X	STANDARD			3	PNP	
					•	3	PNP	
95B061281	IS-12-A2-S2	1X	STANDARD		•			
95B061591	IS-12-C3-S2	1X	STANDARD			3	NPN	
95B061621	IS-12-C4-S2	1X	STANDARD			3	NPN	
95B061651	IS-12-C1-S2	1X	STANDARD			3	PNP	
95B061681	IS-12-C2-S2	1X	STANDARD			3	PNP	
95B061991	IS-12-B3-S2	1X	SHORT		•	3	NPN	
95B062021	IS-12-B4-S2	1X	SHORT		•	3	NPN	
95B062051	IS-12-B1-S2	1X	SHORT		•	3	PNP	
95B062081	IS-12-B2-S2	1X	SHORT		•	3	PNP	
95B062391	IS-12-D3-S2	1X	SHORT			3	NPN	
95B062421	IS-12-D4-S2	1X	SHORT			3	NPN	
95B062451	IS-12-D1-S2	1X	SHORT			3	PNP	
95B062481	IS-12-D2-S2	1X	SHORT			3	PNP	
95B062671	IS-12-G6-S2	2X	SHORT		•	4	NPN	
95B062691	IS-12-G5-S2	2X	SHORT		•	4	PNP	
95B062751	IS-12-H6-S2	2X	SHORT			4	NPN	
95B062771	IS-12-H5-S2	2X	SHORT			4	PNP	
95B063331	IS-12-G3-S2	2X 2X	SHORT		•	3	NPN	
95B063351	IS-12-G3-S2	2X	SHORT			3	NPN	
					•			
95B063371	IS-12-G1-S2	2X	SHORT			3	PNP	
95B063391	IS-12-G2-S2	2X	SHORT		•	3	PNP	
95B063411	IS-12-H3-S2	2X	SHORT			3	NPN	
95B063431	IS-12-H4-S2	2X	SHORT			3	NPN	
95B063451	IS-12-H1-S2	2X	SHORT			3	PNP	
95B063471	IS-12-H2-S2	2X	SHORT			3	PNP	
95B063931	IS-12-A9-S2	1X	STANDARD		•	2		PROG
95B064060	IS-12-A0-S2	1X	STANDARD		•	4	PROG	PROG
95B064070	IS-12-G0-S2	2X	SHORT		•	4	PROG	PROG
95B064080	IS-12-B0-S2	1X	SHORT			4	PROG	PROG
95B064090	IS-12-H0-S2	2X	SHORT			4	PROG	PROG
95B064130	IS-12-G9-S2	2X	SHORT		•	2		PROG
95B064140	IS-12-B9-S2	1X	SHORT			2		PROG
95B064150	IS-12-H9-S2	2X	SHORT			2		PROG
95B064180	IS-12-A20-S2	1X	STANDARD		•	2		
95B064190	IS-12-C20-S2	1X	STANDARD			2		
				+	•	2		NO
95B060690	IS-12-A15-S2	1X	STANDARD	-	•			NO
95B065340	IS-12-I1-S2	1X	STANDARD	•		2	PNP	NO
95B063871	IS-12-L1-S2	1X	STANDARD	•	•	2	PNP	NO
95B065360	IS-F12-S1-S2	1X	STANDARD			2	PNP	NO
95B065370	IS-F12-T1-S2	1X	STANDARD		•	2	PNP	NO

CALLOGIC AUTOMATION

ACCESSORY SELECTION AND ORDER INFORMATION



MODEL DESCRIPTION IS -|04| - |A DIAMETER CONSTRUCTION OUTPUT CONNECTION A= flush standard housing 1 = 10-30 Vdc PNP NO 02 = Cable 500mm 04 = 4mm2 = 10-30 Vdc PNP NC 05 = 5mmB= flush short housing 03 = Cable 2mt 65 = 6,5mm BB= flush extra short housing 3 = 10-30 Vdc NPN NO 04 = Cable 700mm 08 = 8mm C= non flush standard housing 4 = 10-30 Vdc NPN NC S1 = M8 connector 12 = 12mm D= non flush short housing 5 = 10-30 Vdc PNP NO-NC S2 = M12 connector E= flush standard housing double range 18 = 18 mm 6 = 10-30 Vdc NPN NO-NC S3 = terminal block* 30 = 30mm F= non flush standard housing double range 7 = 24-230Vac - 2 wires NO S4 = unf 1/2" 40 = 40x40mm SQUARE G= flush short housing double range 8 = 24-230Vac - 2 wires NC only for square housing version 80 = 80x80mm SQUARE GG= flush extra short housing double range 9 = 10-30 Vdc - 2 wires NO-NC 88 = 8x8mm SQUARE H= non flush short housing double range 0 = 10-30 Vdc - 4 wires I= flush standard housing metal face 11 = Analog 4-20mA L= non flush standard housing metal face 12 = Analog 0-10V M= flush short housing steel 13 = Analog 0-10V/4-20mA 14 = Analog 0-5V/1-5mA N= non flush short housing steel O= flush short housing steel double range 15 = 20-250Vac/Vdc-2 and 3 wires NO P= non flush short housing steel double range 20 = NAMUR Q= flush 8x8mm square housing R= flush 8x8mm square housing double range S= flush standard housing steel T= non flush standard housing steel U= flush standard housing steel double range V= non flush standard housing steel double range W= flush 40x40mm square housing X= flush 40x40mm short square housing Y= non flush 40x40mm square housing Z= non flush 40x40mm short square housing Note: Not all code combinations are available. Please refer to alphabetical model index for the list of available models.



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