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# **COLOUATACO**

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# DATALOGIC: SOLUTIONS FOR INDUSTRIAL AUTOMATION

## 

Datalogic Industrial Automation is an industry-leader in products and solutions for material handling, traceability, inspection and detection applications.

With the acquisitions of Accu-Sort and PPT Vision in 2012, the company offers a comprehensive portfolio of products, technologies and solutions delivered by a team of skilled professionals dedicated to providing superior service to customers.

Datalogic is the partner of choice for organizations in the Industrial Automation market.

#### **Factory Automation**

- AUTOMOTIVE
- ELECTRONICS
- FOOD & BEVERAGE
- GENERAL MANUFACTURING
- HEALTHCARE PHARMACEUTICAL

#### **Transportation & Logistics**

- AIRPORTS
- COURIER, EXPRESS PARCEL (CEP)
- POSTAL
- RETAIL DISTRIBUTION

#### Product portfolio

Datalogic Industrial Automation has the most comprehensive offering of products and solutions for traceability, inspection and detection applications in factory automation and logistics processes: industrial laser scanners, cameras and vision systems, sensors, machine safety devices and laser markers.

### Identification

Even the most demanding and efficient automation of identification processes can leverage Datalogic Industrial Automation's leadership in the market. We manufacture the world's most comprehensive family of fixed-mount line and omnidirectional scanners.

We also offer the latest CCD vision technology with the world's largest installed base of CCD systems for bar code reading and dimensioning.

All of our AUTO-ID products and solutions leverage the broadest decoding library that has been developed through the years. Datalogic's comprehensive AUTO-ID portfolio is used in a wide range of applications and machines which are behind many of the everyday processes that keeps the global economy running.

### Sensors & Safety

Datalogic Industrial Automation offers a best-in-class, comprehensive product portfolio of photoelectric and proximity sensors, temperature controllers and measurement devices, as well as type 2 and type 4 safety light curtains. These product lines provide solutions for applications involving color, contrast and luminescence, label detection, dimensional and distance measurement, in addition to machine safeguarding and access control in dangerous areas.

### Machine Vision

The Datalogic Industrial Automation machine vision product line encompasses both hardware and software while covering a wide range of performance and price point requirements. The vision portfolio of products and solutions ranges from simple vision sensors to smart cameras and embedded vision systems.

### Laser Marking

Laser Marking sources and systems provide value driven marking solutions for automotive, metal tools, medical, electronics and packaging. Datalogic Industrial Automation offers an extensive range of state-of-the-art technology, excellent performance and high reliability marking equipment.



#### Inductive Sensors

Inductive proximity sensors generate a magnetic field from their detection faces. Whenever a detectable object moves into the sensor's field of detection, Eddy currents build up in the target and dampen the sensor's magnetic field. This effect triggers the sensor's output. Since a current in the target is needed for detection, inductive proximity sensors are uniquely suited for detection of all types of metals.

#### ADVANTAGES

- -Not affected by humidity and dust
- -No moving parts, no mechanical wear
- -Independent of the color of the object to detect
- -No dead zone

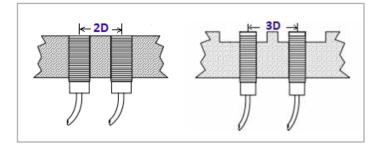
#### DISADVANTAGES

- -only detect metallic objects -low operating distance -sensitive to electromagnetic interference
- (such as electric welding, induction ovens)
- Shielded models FLUSH mounting

Shielded models can be installed with their sensing faces flush to the metal. The distance from opposing metal surfaces must be  $\geq$  3sn and the distance between two proximity switches (side-byside)  $\geq$  2D.

#### Unshielded models - NON-FLUSH mounting

Unshielded models can be identified by their 'caps", since they have no metal housing surrounding the area of the sensing face. The sensing face must extend  $\ge 2$ sn from the metallic installation medium. The distance from opposing metal surfaces must be  $\ge 3$ sn and the distance between two adjacent proximity switches  $\ge 3D$ . The metal body leaves uncovered part of the sensing area resulting in an increased sensing distance.



Main tubular models are available in both nickel plated brass and stainless steel housing, with the active sensing face in LCP plastic.

#### METAL FACE version:

Are available stainless steel versions (M12,M18). Are used in especially harsh environments and applications which are too extreme for standard sensors. They resist to abrasive media, aggressive cleaners and solvents with their rugged sensing face. IP67

## WELD FIELD IMMUNE version:

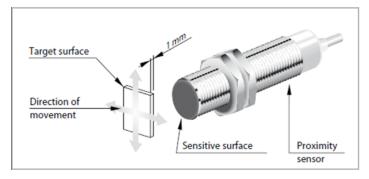
These special field immune models are ideal for welding environments and other applications where large magnetic fields are present. They are rated for reliable operation near the current line carrying 20,000 amps.

#### NAMUR version:

protection.

Are available 2 wires versions (M5, M6,5, M8, M12, M18, M30). They can be used in conjunction with suitable switching amplifiers, in explosive systems or Zone 1 and Zone 2 areas.

The switch amplifier must be installed outside the explosive area. Almost all versions have IP67 mechanical protection. Nominal Switching distance (Sn) According to EN 60947-5-2 When an inductive proximity sensor is rated for sensing distance, it refers to the sensor's ability to detect the 'standard detectable object" at its specified sensing distance. The 'standard detectable object" is a 1mm thick square piece of ferrous iron that is in height and width the size of the proximity sensor's detection face's diameter.

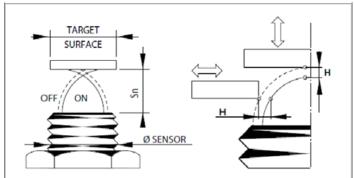


When the object to be detected is a different metal material, multiply the value of the rated operating distance for a reduction factor. The table beside shows the reduction factors of the main metals used in industry.

REDUCING FACTOR						
Fe37	1 x Sn*					
Stainless-steel	0,9 x Sn					
Brass-Bronze	0,5 x Sn					
Alluminium	0,4 x Sn					
Copper	0,3 x Sn					

#### Hysteresis (H):

distance between the point of switching on and the point of switching off of the trigger object. The value is a percentage of the nominal switching distance Sn.



#### AC/DC version:

Are available 2/3-wires versions (M12, M18, M30) , that operate in alternating current with voltage drop of 5 V for currents of the order of 100mA.

To be able to provide a proper potential drop at the load, it is recommended to power the sensors with at least a supply voltage equal to the Voltage drop indicated (5V).

"M12/18/30 models are Diversey and ECOLAB tested"





### OPERATING DISTANCE

MODEL	M4	M5	M6,5	M8	M12	M18	M30	SQUARE
DIAMETER (mm)	4	5	6,5	8	12	18	30	8X8; 40X40
OPERATING DISTANCE (mm)	0,8	0,81,5	13	1,53	28	514	1020	1,530

### HOUSING LENGTHS

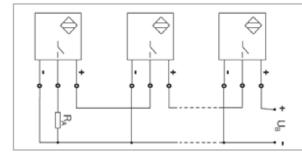
The following table shows the approximate length (mm) intervals for all categories and models of tubular inductive sensors.

MODELS	STAN	DARD	SHORT	
MODELS	connector	cable	connector	cable
M4		25		
M5	40	2025		
M6,5	5363	4655	5054	4044
M8	5273	4455	4857	4044
M12	6872	5864	4854	4248
M18	7382	7078	5665	4756
M30	7485	7082	5668	4956

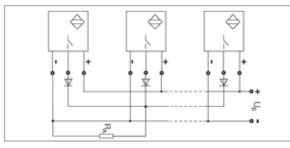
#### WIRES

ТҮРЕ	description
	Work with sinking or sourcing devices
2-3 WIRES	Vdc, Vac and NAMUR versions
	Higher leakage current
	Must select PNP or NPN, NC or NO version
3 WIRES	10-30 Vdc version
	Low leakage current
4 WIRES	Programmable output
	PNP/NPN and NC/NO in one device

The number of inductive proximity sensors that can be connected in series or parallel is limited.



Parallel connection: the leakage current of each single sensor, when added to the other, may accumulate and drive the load even in the absence of operated switches.



This problem is more relevant in versions AC 2-wire, because of the high voltages and currents supplied to the sensor. For this type of connection you should use a 3-wire sensors working in DC.

### ELECTRICAL PARAMETERS

NOMINAL VOLTAGE

Is the permissible voltage range in which certain safe operation of the switch is guaranteed.

#### RESIDUAL RIPPLE

Is the maximum admissible ripple of the DC supply voltage shown as percentage to its medium value.

### MAX. OUTPUT CURRENT

It shows maximum output current a sensor can cope with when working steadly.

## MIN. OUTPUT CURRENT

Is the smallest load current required for function of the switch when ON.

#### RESIDUAL CURRENT

Is the current flowing through the load when a proximity switch is not conducting (open).

#### VOLTAGE DROP

Is the voltage measured across the load of a closed (conducting) sensor at load current.

#### START UP DELAY

Is the time from when the supply voltage is applied, and the proximity switch assumes the ready state. This time may not be longer than 300 ms. During this time there must be no fault signal longer than 2 ms.

 SWITCHING FREQUENCY Refers to the maximum number of switching operations per second.

#### SHORT CIRCUIT PROTECTION

Is 100 A, i. e., per EN 60947-5-2 the power supply during testing in short circuit mode must be able to provide at least 100 A for a short duration. This current is prescribed in the standard in order to test.

#### PROTECTION AGAINST INVERSION OF POLARITY

Available in DC supplied type, it prevents the sensor from being damage when supply cables are incorrectly connected.

• INDUCTIVE LOAD PROTECTION It protects sensor output in presence of high inductive loads. This protection is performed by a diode or zenner diode.

## **INDEX**

#### BASIC

- Nickel-plated Brass housing
- Standard length
- Short length
- Normal and Double range Operating distance × 1
- Operating distance: 1,5 ... 20 mm
- M6,5, M8, M12, M18, M30 11
- cable, M8 or M12 connector
- 2, 3 or 4 wires
- PNP, NPN, PNP/NPN, NO, NC, NO/NC
- IP67 protection

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### STAINLESS STEEL

- Stainless Steel housing
- Standard length
- Short length ÷.
- Normal and Double range Operating distance e.
- Operating distance 0.8 ... 20 mm
- M4, M5, M6,5, M8, M12, M18, M30
- cable, M8 or M12 connector
- 3 wires
- PNP, NPN, NO, NC .
- IP67 protection

#### INDUCTIVE AC

- ь. Nickel-plated Brass housing
- Standard length ь.
- Operating distance 2 ... 10 mm ь.
- M12, M18, M30
- cable or M12 connector ÷.
- 20+250 Vac (50,60 Hz)
- 2 or 3 wires
- NO ni.
- IP67 protection

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- Stainless Steel housing
- Short length ÷.

NAMUR

- Operating distance 0.8 ... 15 mm
- M12, M18
- cable, M8 or M12 connector
- 2 wires
- PNP, NO
- IP67 protection

11020-004

### M4

- flush
- Stainless Steel
- op.dist.: 0,8 mm - diameter: 4 mm
- 3 wires
- PNP or NPN, N.O.
- cable

### **M5**

- flush
- Stainless Steel - op.dist.: 0,8 mm
- double range vers.:
- 1,5 mm - diameter: 5 mm
- 3 wires
- NAMUR vers.
- PNP or NPN, N.O., N.C.
- M8 connector or
- cable

### M6,5

- flush, non-flush - Stainless Steel, Nickel
- plated-Brass
- op.dist.: 1,5...2 mm
- double range vers.: 2...3 mm
- diameter: 6,5 mm
- standard or short housing
- 3 wires
- NAMUR (2wires) vers.
- PNP or NPN, N.O., N.C. - M8 connector or cable

## **M8**

- flush, non-flush
- Stainless Steel, Nickel
- plated-Brass - op.dist.: 1,5...2 mm
- double range vers.: 2...3 mm
- diameter: 8 mm
- standard or short housing - 3 wires
- NAMUR (2wires) vers.PNP or NPN, N.O., N.C.
- M8, M12 connector or cable
- Metal Face vers. - NAMUR vers.

- Vac/Vdc vers.

mm

M12

- flush, non-flush

plated-Brass

- op.dist.: 2...4 mm

- diameter: 12 mm

- Stainless Steel, Nickel

- double range vers.: 4...8

- standard or short housing

NPN/PNP output) wires

- 2, 3, 4 (programmable

- Field Immune vers.
- PNP or NPN, N.O., N.C.
- M12 connector or cable

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#### METAL FACE

- Stainless Steel housing
- Stainless Steel active face
- Standard length
- 2 ... 8 mm
- M12, M18
- M12 connector х.
- 3 wires ÷.
- PNP, NO
- IP67 protection

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#### WELD FIELD IMMUNE

Stainless Steel housing

- PTFE active face
- Standard length
- Operating distance 2 ... 8 mm e.
- M12, M18
- M12 connector
- . 3 wires
- PNP, NO
- IP67 protection

- SQUARE
  - PBT (resin) or Nickel-plated Brass housing
  - Operating distance 1.5 ... 15 mm
  - 40x40 mm or 8x8 mm dimension ÷.
  - cable, M8 connector or Terminal Block
  - 2 or 3 wires
  - PNP, PNP/NPN, NO, NC, NO/NC
  - IP67 ÷.

**CABLES, CONNECTORS & ACCESSORIES** 

- 2,3,4 wires
- M12, M8 connector .
- axial or radial 90°
- shielded or unshielded
- double key
- A.C. cable
- 3, 5, 7, 10, 15, 25m cable

SQUARE 8X8

- flush
- Nickel-Plated Brass
- op.dist.: 1,5 mm
- diameter: 8 mm
- 3 wires, PNP, N.O.
- M8 connector or cable

## M18

- flush, non-flush
- Stainless Steel, Nickel plated-Brass
- op.dist.: 5...8 mm - double range vers.: 8...14 mm
- diameter: 18 mm
- standard or short housing
- 2, 3 4 (programmable NPN/PNP output) wires
- Vac/Vdc vers.
- Metal Face vers.
- Field Immune vers. - NAMUR vers
- PNP or NPN, N.O., N.C.
- M12 connector or cable

## **M30**

- flush, non-flush
- Stainless Steel, Nickel plated-Brass
- op.dist.: 10...15 mm
- double range vers.: 15...20 mm
- diameter: 30 mm
- standard or short housing - 2, 3, 4 (programmable NPN/
- PNP output) wires
- Vac/Vdc vers.
- NAMUR vers.
- PNP or NPN, N.O., N.C. - M12 connector or cable

- **SQUARE 40X40**
- flush, non-flush

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- standard or short housing
- Plastic (PBT resin) - op.dist.: 15...30 mm; 7-20 mm
- (Analog vers.)
- diameter: 40 mm
- 2, 3 wires
- Vac/Vdc vers.
- Analog output 4-20mA vers.
- PNP or NPN, N.O., N.C. - Terminal block

ODATALOGIC

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BASIC 50 **STAINLESS** pag pag METAL FACE 'ıf WELD FIEI pag NDUCTIVE AC pag 76 NAMUR pag pag SQUARE Я, П С pag **TAB** 

ACCESSORIES

pag

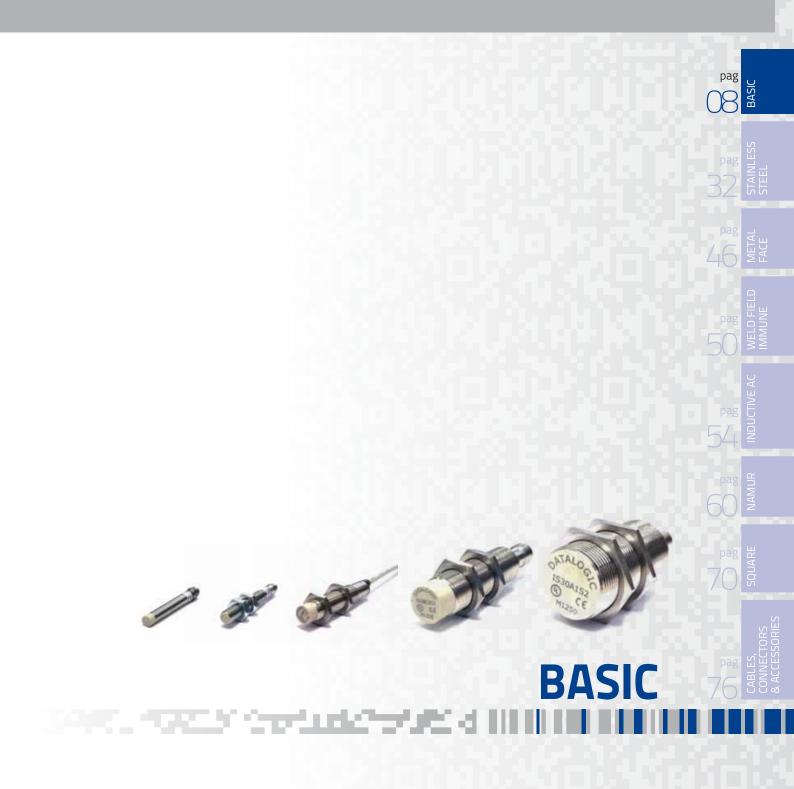
Nickel-plated Brass housing Standard length Short length Normal and double range operating distance Operating distance: 1,5 ... 20 mm M6,5, M8, M12, M18, M30 cable, M8 or M12 connector 2, 3 or 4 wires PNP, NPN, PNP/NPN, NO, NC, NO/NC IP67 protection

"M12/18/30 models are Diversey and ECOLAB tested"



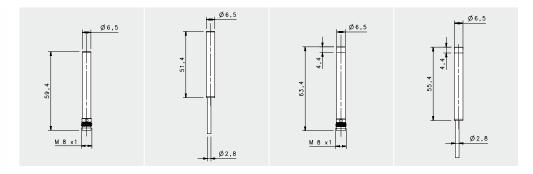
M12/18/30 FLUSH models are ATEX certified II 3G EX nA II T6 II 3D EX tD A22 IP67 T85°C

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## **BASIC M6.5**



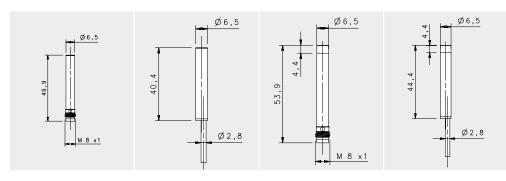


					STAN	IDARD	
				FLU	SH	NON	FLUSH
				M8 conn	cable	M8 conn	cable
NOMINAL SWITCH	ING DISTAN	CE		1,5 mm	1,5 mm	2 mm	2 mm
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.				
10-30 Vdc	PNP NO	3 wires	order No.	IS-65-A1-S1 95B066050	IS-65-A1-03 95B064730	IS-65-C1-S1 95B066210	IS-65-C1-03 95B064890
10-30 Vdc	PNP NC	3 wires	order No.	IS-65-A2-S1 95B066090	IS-65-A2-03 95B064770	IS-65-C2-S1 95B066250	IS-65-C2-03 95B066300
10-30 Vdc	NPN NO	3 wires	order No.	IS-65-A3-S1 95B064970	IS-65-A3-03 95B064650	IS-65-C3-S1 95B066130	IS-65-C3-03 95B064810
10-30 Vdc	NPN NC	3 wires	order No.	IS-65-A4-S1 95B066010	IS-65-A4-03 95B064690	IS-65-C4-S1 95B066170	IS-65-C4-03 95B064850
10-30 Vdc	PNP NO-NC	3 wires	order No.				
10-30 Vdc	NPN NO-NC	3 wires	order No.				
10-30 Vdc	NO-NC	2 wires	order No.				
20-250 Vac/Vdc	NO	2 wires	order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
20-250 Vac/Vdc	NO	2/3 wires	order No.				
Analog 0-20 mA	-	3 wires	order No.				
5+24 Vdc	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%
Hysteresis	< 10%	< 10%	< 10%	< 10%
Max. Output Current	200 mm	200 mA	200 mm	200 mA
Min. Output Current				
Residual Current	< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA
Voltage Drop	< 1,2 V (I=100 mA)	< 1,2 V (I=100 mA)	< 1,2 V (I=100 mA)	< 1,2 V (l=100 mA)
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 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
Cable Length		2 m		2 m
Cable Section		3x 0,14 mm²		3x 0,14 mm²
Housing Material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Output		80 g		80 g
Weight - M12 Connector Output	40 g		40 g	

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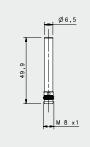
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		ORT	
FLU	ISH	NON F	LUSH
M8 conn	cable	M8 conn	cable
1,5 mm	1,5 mm	2 mm	2 mm
IS-65-B1-S1	IS-65-B1-03	IS-65-D1-S1	IS-65-D1-03
95B066070	95B064750	95B066230	95B064910
IS-65-B2-S1	IS-65-B2-03	IS-65-D2-S1	IS-65-D2-03
95B066110	95B064790	95B066270	95B064950
IS-65-B3-S1	IS-65-B3-03	IS-65-D3-S1	IS-65-D3-03
95B064990	95B064670	95B066150	95B064830
IS-65-B4-S1	IS-65-B4-03	IS-65-D4-S1	IS-65-D4-03
95B066030	95B064710	95B066190	95B066190
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
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 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 0,14 mm²		3 x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
	80 g		80 g
40 g		40 g	

## BASIC M6.5







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## SHORT X2

				FLUSH			
				M8 conn	cable		
NOMINAL SWITCH	HING DISTAN	CE		2 mm	2 mm		
40.001/1	PNP/NPN						
10-30 Vdc	NO-NC	4 wires	order No.				
40.001/4-	PNP - ·			IS-65-G1-S1	IS-65-G1-03		
10-30 Vdc	NO	3 wires	order No.	95B066060	95B064740		
40.001/4-	PNP	2		IS-65-G2-S1	IS-65-G2-03		
10-30 Vdc	NC	3 wires	order No.	95B066100	95B064780		
40. 20.1/4-	NPN	2		IS-65-G3-S1	IS-65-G3-03		
10-30 Vdc	NO	3 wires	order No.	95B064980	95B064660		
10. 20.1/4-	NPN	2		IS-65-G4-S1	IS-65-G4-03		
10-30 Vdc	NC	3 wires	order No.	95B066020	95B064700		
10.001/1	PNP	- ·					
10-30 Vdc	NO-NC	3 wires	order No.				
	NPN						
10-30 Vdc	NO-NC	3 wires	order No.				
10-30 Vdc	NO-NC	2 wires	order No.				
20-250 Vac/Vdc	NO	2 wires	order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
		2/3wires 3 wires					
20-250 Vac/Vdc	NO		order No.				
Analog 0-20 mA	-		order No.				
5+24 Vdc	NAMUR	2 wires	order No.				
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)		
Residual Ripple				< 10%	< 10%		
Hysteresis				< 10%	< 10%		
Max. Output Curre	nt			200 mA	200 mA		
Min. Output Curre							
Residual Current				< 10 mA	< 10 mA		
Voltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)		
Operation Led				Yellow	Yellow		
Switching Freque	ncv			500 Hz	500 Hz		
Start Up Delay				< 75 ms	< 75 ms		
Repeability				< 3%	< 3%		
Short Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)		
				Against polarity reversal	Against polarity reversal		
Electric Protection	n			inductive loads	inductive loads		
Temperature Limit	t			(-25 +70 °C)	(-25 +70 °C)		
Protection Degree				IP67	IP67		
Cable Length					2 m		
Cable Section					3 x 0,14 mm²		
Housing Material				Nickel-plated brass	Nickel-plated brass		
Weight - Cable Ou	tput				80 g		
Weight - M12 Con	•			//	Ŭ		

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Weight - M12 Connector Output

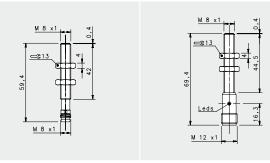
40 g

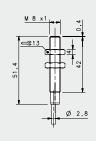


NN FLUSH           3 mm         3 mm	SHORT X 2							
3 mm         3 mm								
15             95806520         958064900            15         15         15           95806520         96806490            15         15         15           95806520         96806490            15         15         15           95806420         958064820            15         15         55           15         15         15           95806480         958064820            15         15         55           15         15         55	M8 conn	cable						
IS-65:H1-51         IS-65:H1-03           95B066220         95B064900           IS-65:H2-51         IS-65:H2-03           95B066200         95B064940           IS-65:H3-51         IS-65:H3-03           95B066120         95B064820           IS-65:H4-51         IS-65:H4-03           95B066120         95B064820           SF3B066120         95B064820 </th <th>3 mm</th> <th>3 mm</th>	3 mm	3 mm						
IS-65-H1-51         IS-65-H1-03           S95066220         S9506430           IS-65-H2-51         IS-65-H2-03           S9506620         S9506420           IS-65-H3-51         IS-65-H3-03           S95066100         S9506420           IS-65-H4-51         IS-65-H4-03           S95065180         S9506420           IS-65-H4-51         IS-65-H4-03           S9506100         S95064800  <								
958066220         958064900           IS-65-H2-51         IS-65-H2-03           95806620         958064940           IS-65-H3-51         IS-65-H3-03           958066140         958064920           IS-65-H4-51         IS-65-H4-03           958066180         958064960								
IS-65-H2-51         IS-65-H2-03           SS006260         SS006420           IS-65-H3-51         IS-65-H3-03           SS0066100         SS006420           IS-65-H4-51         IS-65-H4-03           SS0066100         SS006420           IS-65-H4-51         IS-65-H4-03           SS0066100         SS006420           IS-65-H4-51         IS-65-H4-03           SS006610         SS006420           IS-65-H4-51         IS-65-H4-03           SS00610         SS006420           IS-65-H4-51         IS-65-H4-03           SS00610         SS006420           IS-65-H4-51         IS-65-H4-03           SS00610         SS006420           IS-65-H4-51         IS-65-H4-03           IS-65-H4-61         IS-65-H4-61           IS-61         IS-65-H4-61 <t< td=""><td></td><td></td></t<>								
95806620         958064940           IS-65-H3-51         IS-65-H3-03           958066140         958064820           IS-65-H4-51         IS-65-H4-03           958061600         958064820								
IS-65-H3-51         IS-65-H3-03           95B066140         95B064200           95B066180         95B064200           95B066180         95B064200								
958066140         958064820           IS-65-H4-03         958064820           958066180         958064860								
IS-65-H4-51         IS-65-H4-03           98B06100         98B068800  <								
95B066180         95B064860   <								
2 m          <								
2 </td <td></td> <td></td>								
10-30 Vdc (-15/10%)       10-30 Vdc (-15/10%)                     10-30 Vdc (-15/10%)       10-30 Vdc (-15/10%)         <								
10-30 Vdc (-15/10%)       10-30 Vdc (-15/10%)                     10-30 Vdc (-15/10%)       10-30 Vdc (-15/10%)         <10-30 Vdc (-15/10%)								
10-30 Vdc (-15/10%)         10-30 Vdc (-15/10%)           <								
10-30 Vdc (-15/10%)         10-30 Vdc (-15/10%)           < 10%								
10-30 Vdc (-15/10%)         10-30 Vdc (-15/10%)           < 10%								
10-30 Vdc (-15/10%)         10-30 Vdc (-15/10%)           < 10%								
10-30 Vdc (-15/10%)         10-30 Vdc (-15/10%)           < 10%								
< 10%								
< 10%								
< 10%	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)						
200 mA         200 mA               < 10 mA	< 10%	< 10%						
< 10 mA	< 10%	< 10%						
< 10 mA	200 mA	200 mA						
< 1,2 V (I=100mA)								
Yellow         Yellow           500 Hz         500 Hz           <75 ms	< 10 mA	< 10 mA						
500 Hz         500 Hz           < 75 ms	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)						
< 75 ms< 75 ms< 3%	Yellow	Yellow						
< 3%< 3%Present (self-resetting)Present (self-resetting)Against polarity reversal inductive loadsAgainst polarity reversal inductive loads(-25 +70 °C)(-25 +70 °C)(-25 +70 °C)IP67IP67IP672 m3 x 0,14 mm²Nickel-plated brassNickel-plated brass	500 Hz	500 Hz						
Present (self-resetting)Present (self-resetting)Against polarity reversal inductive loadsAgainst polarity reversal inductive loads(-25 +70 °C)(-25 +70 °C)IP67IP672 m3 x 0,14 mm²Nickel-plated brassNickel-plated brass	< 75 ms	< 75 ms						
Against polarity reversal inductive loadsAgainst polarity reversal inductive loads(-25 +70 °C)(-25 +70 °C)IP67IP672 m3 x 0,14 mm²Nickel-plated brassNickel-plated brass	< 3%	< 3%						
reversal inductive loadsinductive loads(-25+70 °C)(-25+70 °C)IP67IP672 m3 x 0,14 mm²Nickel-plated brassNickel-plated brass	Present (self-resetting)	Present (self-resetting)						
IP67         IP67            2 m            3 x 0,14 mm²           Nickel-plated brass         Nickel-plated brass		Against polarity reversal inductive loads						
2 m        3 x 0,14 mm²       Nickel-plated brass     Nickel-plated brass	(-25 +70 °C)	(-25 +70 °C)						
3 x 0,14 mm²       Nickel-plated brass     Nickel-plated brass	IP67	IP67						
Nickel-plated brass Nickel-plated brass		2 m						
80 g	Nickel-plated brass	Nickel-plated brass						
		80 g						
40 g	40 g							

ODATALOGIC 13



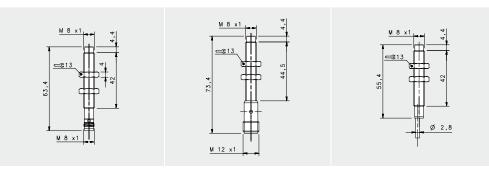




					STANDARD	
					FLUSH	
				M8 conn	M12 conn	cable
IOMINAL SWITCH	HING DISTAN	CE		1,5 mm	1,5 mm	1,5 mm
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.			
10-30 Vdc	PNP NO	3 wires	order No.	IS-08-A1-S1 95B061141	IS-08-A1-S2 95B061131	IS-08-A1-03 95B061121
10-30 Vdc	PNP	3 wires		IS-08-A2-S1	IS-08-A2-S2	IS-08-A2-03
10-30 Vdc	NPN	3 wires	order No.	95B061171 IS-08-A3-S1	95B061161 IS-08-A3-S2	95B061151 IS-08-A3-03
10-30 Vdc	NO NPN	3 wires	order No.	95B061081 IS-08-A4-S1	95B061071 IS-08-A4-S2	95B061061 IS-08-A4-03
0-30 Vdc	NC PNP	3 wires	order No.	95B061111	95B061101	95B061091 
10-30 Vdc	NO-NC NPN	3 wires	order No.			
	NO-NC		order No.			
0-30 Vdc	NO-NC	2 wires	order No.			
20-250 Vac/Vdc	NO	2 wires	order No.			
20-250 Vac/Vdc	NC	2 wires	order No.			
0-250 Vac/Vdc	NO	2/3 wires	order No.			
Inalog 0-20mA	-	3 wires	order No.			
+24 Vdc	NAMUR	2 wires	order No.			
Jominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%
Justarasis				< 10%	< 10%	< 10%

Nominal Voltage	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple	< 10%	< 10%	< 10%
Hysteresis	< 10%	< 10%	< 10%
Max. Output Current	200mA	200mA	200mA
Min. Output Current			
Residual Current	< 10 mA	< 10 mA	< 10 mA
Voltage Drop	< 1,2 V (l=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led	Yellow	Yellow	Yellow
Switching Frequency	1000 Hz	1000 Hz	1000 Hz
Start Up Delay	< 50 ms	< 50 ms	< 50 ms
Repeability	< 3%	< 3%	< 3%
Short Circuit Protection	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
Temperature Limit	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree	IP67	IP67	IP67
Cable Length			2 m
Cable Section			3x 0,14 mm²
Housing Material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Output			80 g
Weight - M12 Connector Output	35g	55g	

#### 14 ΟΟΛΤΛΙΟGIC

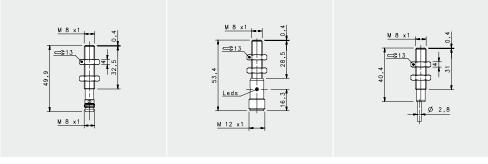


	STANDARD	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-C1-S1	IS-08-C1-S2	IS-08-C1-03
95B061541	95B061531	95B061521
IS-08-C2-S1	IS-08-C2-S2	IS-08-C2-03
95B061571	95B061561	95B061551
IS-08-C3-S1	IS-08-C3-S2	IS-08-C3-03
95B061481	95B061471	95B066410
IS-08-C4-S1	IS-08-C4-S2	IS-08-C4-03
95B061511	95B061501	958066450
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%		
	< 10%	< 10%
< 10%	< 10%	< 10%
200mA	200mA	200mA 
< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow	Yellow
1000 Hz	1000 Hz	500 Hz
< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
IP67	IP67	IP67
		2 m
		3x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
•		80 g
35g	55g	

**ΟΟΛΤΑLOGIC** 15

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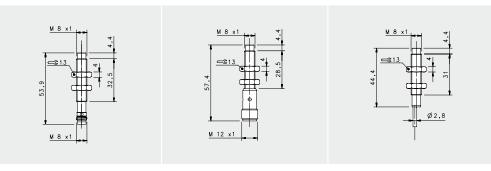




					SHORT												
					FLUSH												
				M8 conn	M12 conn	cable											
NOMINAL SWITCH	HING DISTAN	CE		1,5 mm	1,5 mm	1,5 mm											
10-30 Vdc	PNP/NPN	4 wires															
10-50 vac	NO-NC	4 WIIES	order No.														
10-30 Vdc	PNP	3 wires		IS-08-B1-S1	IS-08-B1-S2	IS-08-B1-03											
10-20 400	NO	JWIES	order No.	95B066860	95B066590	95B061921											
10-30 Vdc	PNP	3 wires		IS-08-B2-S1	IS-08-B2-S2	IS-08-B2-03											
10-30 Vuc	NC	5 WIES	order No.	95B066890	95B066620	95B061951											
10-30 Vdc	NPN	3 wires		IS-08-B3-S1	IS-08-B3-S2	IS-08-B3-03											
10-30 Vuc	NO	5 WIES	order No.	95B066810	95B066530	95B061861											
10-30 Vdc	NPN	3 wires		IS-08-B4-S1	IS-08-B4-S2	IS-08-B4-03											
10-50 Vuc	NC	5 WIIES	5 WIIES	5 WIIES	5 WIIES	5 WILES	5 WILES	5 WILES	5 WIES	5 WIES	5 WIES	5 wires	5 WILES	order No.	95B066830	95B066560	95B061891
10-30 Vdc	PNP		3 wires	3 wires													
10-50 Vuc	NO-NC				order No.												
10-30 Vdc	NPN	3 wires															
10-30 Vac	NO-NC	3 wires	order No.														
10-30 Vdc	NO-NC	2	2 wires														
10-50 Vuc	NU-NC	2 WIIES	order No.														
20-250 Vac/Vdc	NO	2 wires															
20-250 Vac7 Vuc	NU	2 wires	order No.														
20-250 Vac/Vdc	NC	2 wires															
20-250 Vac/ Vuc	INC	2 WIES	order No.														
20-250 Vac/Vdc	NO	2/3 wires															
20-250 Vac/ Vuc	NO		order No.														
Analog 0-20mA	_	3 wires															
Analog 0-2011A		JWIIES	order No.														
5+24 Vdc	NAMUR	2 wires															
JT24 VUL	NAIVIOR	2 WIES	order No.														
Neminal Valta																	
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)											

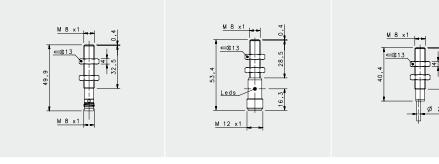
Nominal Voltage	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple	< 10%	< 10%	< 10%
Hysteresis	< 10%	< 10%	< 10%
Max. Output Current	200mA	200mA	200mA
Min. Output Current			
Residual Current	< 10 mA	< 10 mA	< 10 mA
Voltage Drop	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led	Yellow	Yellow	Yellow
Switching Frequency	1000 Hz	1000 Hz	1000 Hz
Start Up Delay	< 50 ms	< 50 ms	< 50 ms
Repeability	< 3%	< 3%	< 3%
Short Circuit Protection	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
Temperature Limit	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree	IP67	IP67	IP67
Cable Length			2 m
Cable Section			3x 0,14 mm²
Housing Material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Output			80 g
Weight - M12 Connector Output	35g	55g	

16 **ODATALOGIC** 



	SHORT	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-D1-S1	IS-08-D1-S2	IS-08-D1-03
95B066970	95B066700	95B062321
IS-08-D2-S1	IS-08-D2-S2	IS-08-D2-03
95B067000	95B066720	95B062351
IS-08-D3-S1	IS-08-D3-S2	IS-08-D3-03
95B066920	95B066650	95B066430
IS-08-D4-S1	IS-08-D4-S2	IS-08-D4-03
95B066940	95B066670	95B062291
10 20/14-1 15/10%		10 20 1/4-1 15 (10%)
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%
< 10%	< 10%	< 10%
200mA	200mA	200mA
< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow	Yellow
1000 Hz	1000 Hz	1000 Hz
< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa inductive loads
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
IP67	IP67	IP67
		2 m
		3x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
		80 g



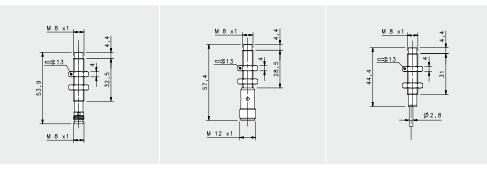


					SHORT X2	
					FLUSH	
				M8 conn	M12 conn	cable
NOMINAL SWITCI	HING DISTAN	CE		2 mm	2 mm	2 mm
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.			
10-30 Vdc	PNP NO	3 wires	order No.	IS-08-G1-S1 95B066850	IS-08-G1-S2 95B066580	IS-08-G1-03 95B066370
10-30 Vdc	PNP NC	3 wires	order No.	IS-08-G2-S1 95B066880	IS-08-G2-S2 95B066610	IS-08-G2-03 95B066390
10-30 Vdc	NPN NO	3 wires	order No.	IS-08-G3-S1 95B066800	IS-08-G3-S2 95B066520	IS-08-G3-03 95B066330
10-30 Vdc	NPN NC	3 wires	order No.	IS-08-G4-S1 95B063131	IS-08-G4-S2 95B066550	IS-08-G4-03 95B066350
10-30 Vdc	PNP NO-NC	3 wires	order No.			
10-30 Vdc	NPN NO-NC	3 wires	order No.			
10-30 Vdc	NO-NC	2 wires	order No.			
20-250 Vac/Vdc	NO	2 wires	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	order No.			
5+24 Vdc	NAMUR	2 wires	order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%
Residual Ripple				10%	10%	10%

Residual Ripple	< 10%	< 10%	< 10%
Hysteresis	< 10%	< 10%	< 10%
Max. Output Current	200mA	200mA	200mA
Min. Output Current			
Residual Current	< 10 mA	< 10 mA	< 10 mA
Voltage Drop	< 1,2 V (l=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led	Yellow	Yellow	Yellow
Switching Frequency	500 Hz	500 Hz	500 Hz
Start Up Delay	< 75 ms	< 75 ms	< 75 ms
Repeability	< 3%	< 3%	< 3%
Short Circuit Protection	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
Temperature Limit	(-25 +60 °C)	(-25 +60 °C)	(-25 +70 °C)
Protection Degree	IP67	IP67	IP67
Cable Length			2 m
Cable Section			3 x 0,14 mm²
Housing Material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Output			80 g
Weight - M12 Connector Output	35g	55g	

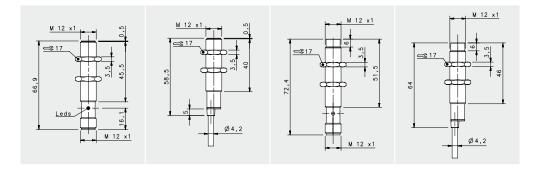
18 **ODATALOGIC** 

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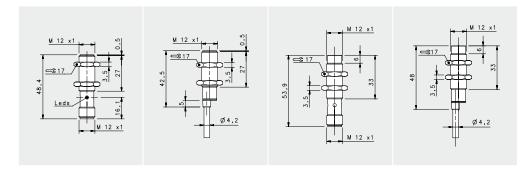
	SHORT X2	
	NON FLUSH	
M8 conn	M12 conn	cable
3 mm	3 mm	3 mm
IS-08-H1-S1	IS-08-H1-S2	IS-08-H1-03
95B066960	95B066690	95B066480
IS-08-H2-S1	IS-08-H2-S2	IS-08-H2-03
95B066990	95B063301	95B066500
IS-08-H3-S1	IS-08-H3-S2	IS-08-H3-03
95B066910	95B066640	95B066420
IS-08-H4-S1	IS-08-H4-S2	IS-08-H4-03
95B063251	95B063241	95B066460
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%
< 10%	< 10%	< 10%
200mA	200mA	200mA
< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow	Yellow
500 Hz	500 Hz	500 Hz
< 75 ms	< 75 ms	< 75 ms
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +60 °C)	(-25 +60 °C) IP67	(-25 +70 °C)
IP67	IP67	IP67
		2 m
 Nickal plated brace	 Nickel plated brace	3 x 0,14 mm <sup>2</sup>
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
35g		80 g





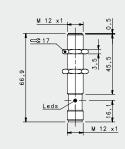
				STANDARD						
				FLUS	5H	NON FLUSH				
				M12 conn	cable	M12 conn	cable			
NOMINAL SWITCHING DISTANCE		2 mm	2 mm	4 mm 4 mm						
10-30 Vdc	PNP/NPN	4 wires		IS-12-A0-S2	IS-12-A0-03	IS-12-C0-S2	IS-12-C0-03			
10 30 440	NO-NC	4 WIICS	order No.	95B064060	95B064030	95B064080	95B064040			
10-30 Vdc	PNP	3 wires		IS-12-A1-S2	IS-12-A1-03	IS-12-C1-S2	IS-12-C1-03			
10-30 Vuc	NO	5 WIIES	order No.	95B061251	95B061241	95B061651	95B061641			
10-30 Vdc	PNP	3 wires		IS-12-A2-S2	IS-12-A2-03	IS-12-C2-S2	IS-12-C2-03			
10-50 vuc	NC	5 WILES	order No.	95B061281	95B061271	95B061681	95B061671			
10-30 Vdc	NPN	2		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			
10-30 Vdc	NPN	2 wiroc	3 wires		IS-12-A4-S2	IS-12-A4-03	IS-12-C4-S2	IS-12-C4-03		
10-30 Vac	NC	3 wires	order No.	95B061221	95B061211	95B061621	95B061611			
10-30 Vdc	PNP	2	3 wires							
10-50 Vuc	NO-NC	5 WILES	order No.							
10-30 Vdc	NPN	3 wires	Zwiroc							
10-50 Vuc	NO-NC		order No.							
10-30 Vdc	NO-NC	2 wires		IS-12-A9-S2	IS-12-A9-03	IS-12-C9-S2	IS-12-C9-03			
10-50 Vuc	NO-NC	2 WIIES	order No.	95B063931	95B064100	95B064140	95B064110			
20-250 Vac/Vdc	NO	2 wires								
20-250 Vac/ Vuc	NO	2 WIIES	order No.							
20-250 Vac/Vdc	NC	2 wires								
20-250 Vac7 Vuc	NC	2 wires	2 wires	2 wires	2 wires	order No.				
20-250 Vac/Vdc	NO	2/3wires								
20-250 Vac7 Vuc	ac/Vdc NO 2	Z/ J WILES	order No.							
Analog 0-20mA	_	3 wires								
Analog 0-2011A		J WIIES	order No.							
5+24 Vdc	NAMUR	2 wires								
JTZ4 VUL	NAMOR	2 WIIES	order No.							

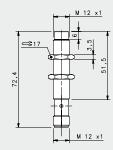
Nominal Voltage	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple	< 10%	< 10%	< 10%	< 10%
Hysteresis	< 10%	< 10%	< 10%	< 10%
Max. Output Current	200mA; 100 mA (2wires)			
Min. Output Current	> 1,6 mA (2wires)			
Residual Current	< 10mA; < 1,6 mA (2wires)			
Voltage Drop	< 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 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
Cable Length		2 m		2 m
Cable Section		2/3/4 x 0,25 mm <sup>2</sup>		2/3/4 x 0,25 mm²
Housing Material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Output		110 g		110 g
Weight - M12 Connector Output	60 g		60 g	



	<u>SH</u>	ORT	
FLU	ISH	NON F	LUSH
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
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-resettin
Against polarity reversal	Against polarity reversal	Against polarity reversal	Against polarity revers
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	







< 3%

Present (self-resetting)

Against polarity reversal

inductive loads

(-25 ... +70 °C)

IP67

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Nickel-plated brass

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60 g

				STAND	ARD X2	
				FLUSH	NON FLUSH	
				M12 conn	M12 conn	
NOMINAL SWITCHING DISTANCE			4 mm	8 mm		
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.			
10-30 Vdc	DND	3 wires		IS-12-E1-S2	IS-12-F1-S2	
10-30 Vdc	PNP .	3 wires	order No.	95B067030 	95B067020	
10-30 Vdc		3 wires	order No.			
10-30 Vac	NO	3 wires	order No.			
10-30 Vdc	NPN NC	3 wires	order No.			
10-30 Vdc	PNP NO-NC	3 wires	order No.			
10-30 Vdc	NPN NO-NC	3 wires	order No.			
10-30 Vdc		2 wires	order No.			
20-250 Vac/Vdc	NO	2 wires	order No.			
20-250 Vac/ Vac	110	2 101165	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	order No.			
5+24 Vdc	NAMUR	2 wires				
			order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	
Hysteresis			< 10%	< 10%		
Max. Output Current			100 mA	100 mA		
Min. Output Curre						
Residual Current				< 10 mA	< 10 mA	
Voltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	
Operation Led				Yellow	Yellow	
Switching Freque	ncy			500 Hz	500 Hz	
Start Up Delay				< 75 ms	< 75 ms	

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Repeability

Short Circuit Protection

Electric Protection

Temperature Limit

Protection Degree

Housing Material

Weight - Cable Output

Weight - M12 Connector Output

Cable Length

Cable Section

< 3%

Present (self-resetting)

Against polarity reversal

inductive loads

(-25 ... +70 °C)

IP67

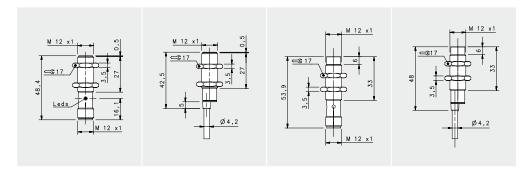
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Nickel-plated brass

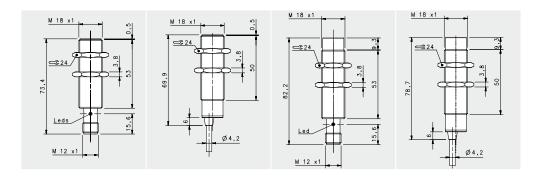
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60 g



	SHU	RT X2			
FLU	ISH	NON FLUSH			
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-resettin		
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity revers inductive loads		
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)		
(-25 +70 C) IP67	(-25 +70 C) IP67	(-25 +70 °C) IP67	(-25 +70 °C) IP67		
IP6/ 	2 m	160/	2 m		
	3 x 0,25 mm²		3 x 0,25 mm²		
 Nickel-plated brass	Nickel-plated brass	Nickel-plated brace			
		Nickel-plated brass 	Nickel-plated brass		
 60 g	110 g 	 60 g	110 g		



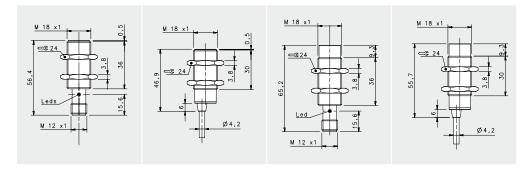


				STANDARD				
				FLU	JSH	NON	NON FLUSH	
				M12 conn	cable	M12 conn	cable	
IOMINAL SWITCH	HING DISTAN	CE		5 mm	5 mm	8 mm	8 mm	
10-30 Vdc	PNP/NPN	4 wires		IS-18-A0-S2	IS-18-A0-03	IS-18-C0-S2	IS-18-C0-03	
10-50 Vuc	NO-NC	4 WIIes	order No.	95B064260	95B064230	95B064280	95B064240	
10-30 Vdc	PNP	3 wires		IS-18-A1-S2	IS-18-A1-03	IS-18-C1-S2	IS-18-C1-03	
10-50 Vuc	NO		order No.	95B061351	95B061341	95B061751	95B061741	
10-30 Vdc	PNP	3 wires		IS-18-A2-S2	IS-18-A2-03	IS-18-C2-S2	IS-18-C2-03	
10-50 Vul	NC	5 WIIES	order No.	95B061371	95B061361	95B061771	95B061761	
10. 20.1/4-	NPN	2		IS-18-A3-S2	IS-18-A3-03	IS-18-C3-S2	IS-18-C3-03	
10-30 Vdc	NO	3 wires	order No.	95B061311	95B061301	95B061711	95B061701	
10-30 Vdc	NPN	3 wires		IS-18-A4-S2	IS-18-A4-03	IS-18-C4-S2	IS-18-C4-03	
10-30 Vac	NC	3 wires	order No.	95B061331	95B061321	95B061731	95B061721	
10. 20.1/4-	PNP	2						
10-30 Vdc	NO-NC	-NC <sup>3 wires</sup>	order No.					
10 2014-	NPN	3 wires	3 wires					
10-30 Vdc	NO-NC			order No.				
	NO. NC	2 wires	2 wires		IS-18-A9-S2	S-18-A9-03	IS-18-C9-S2	IS-18-C9-03
10-30 Vdc	NO-NC			2 wires	order No.	95B063941	95B064300	95B064340
	NO	2 wires	2 wires					
20-250 Vac/Vdc	NO			2 wires	order No.			
	NC	2 wires						
20-250 Vac/Vdc	NC		order No.					
20.250.1//1/-	NO							
20-250 Vac/Vdc	NO	2/3 wires	order No.					
America 0, 20mm A		2						
Analog 0-20mA	-	3 wires	order No.					
5.2/1/4-		2						
5+24 Vdc	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%	
Hysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Curre	nt			200 mA	200 mA	200 mA	200 mA	
Min. Output Curre	ent			> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)	> 1,6 mA (2wires ver.)	
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA	
Voltage Drop				< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.	
Operation Led				Yellow	Yellow	Yellow	Yellow	
Switching Freque	ncv			1000 Hz	1000 Hz	1000 Hz	1000 Hz	

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 Protection	Against polarity reversal inductive loads			
Temperature Limit	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
Protection Degree	IP67	IP67	IP67	IP67
Cable Length		2 m		2 m
Cable Section		2/3/4 x 0,25 mm <sup>2</sup>		2/3/4 x 0,25 mm²
Housing Material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Output		145g		145g
Weight - M12 Connector Output	95g		95g	

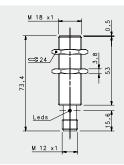
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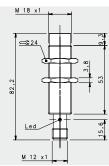
AUDIN - 8, avenue de la malle - 51370 Saint Brice Courcelles - Tel : 03.26.04.20.21 - Fax : 03.26.04.28.20 - Web : http: www.audin.fr - Email : info@audin.fr



	<u>SH</u>	ORT		
FLU	JSH	NON F	LUSH	
M12 conn	cable	M12 conn	cable	
5 mm	5 mm	8 mm	8 mm	
IS-18-B1-S2	IS-18-B1-03	IS-18-D1-S2	IS-18-D1-03	
95B062151	95B062141	95B062551	95B062541	
IS-18-B2-S2	IS-18-B2-03	IS-18-D2-S2	IS-18-D2-03	
95B062171	95B062161	95B062571	95B062561	
IS-18-B3-S2	IS-18-B3-03	IS-18-D3-S2	IS-18-D3-03	
95B062111	95B062101	95B062511	95B062501	
IS-18-B4-S2	IS-18-B4-03	IS-18-D4-S2	IS-18-D4-03	
95B062131	95B062121	95B062531	95B062521	
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	
200 MA	200 111A	200 111A	200 111A	
< 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 inductive loads	inductive loads	Against polarity reversal inductive loads	Against polarity revers 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	
	145g		145g	
95g		95g		







Present (self-resetting)

Against polarity reversal

inductive loads

(-25 ... +70 °C)

IP67

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Nickel-plated brass

145g

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				STANDARD X2					
				FLUSH	NON FLUSH				
				M12 conn	M12 conn				
NOMINAL SWITCI	MINAL SWITCHING DISTANCE			8 mm	14 mm				
40.2014-	PNP/NPN	(							
10-30 Vdc	NO-NC	4 wires	order No.						
10-30 Vdc	PNP 3 wires			IS-18-E1-S2	IS-18-F1-S2				
10-50 vac	NO	2 WIIES	order No.	95B067050	95B067040				
10-30 Vdc	PNP NC	3 wires	and an Na						
			order No.						
10-30 Vdc	NPN NO	3 wires	order No.						
	NPN		order No.						
10-30 Vdc	NC	3 wires	order No.						
	PNP								
10-30 Vdc	NO-NC	3 wires	order No.						
	NPN								
10-30 Vdc	NO-NC	3 wires	order No.						
10 201/4-		2							
10-30 Vdc	NO-NC	2 wires	order No.						
20-250 Vac/Vdc	tc NO Z	2 wires							
20-250 Vac7 Vuc	NO	2 WIES	order No.						
20-250 Vac/Vdc	NC	2 wires	2 wires						
20 250 140, 140	ive	2 11105	order No.						
20-250 Vac/Vdc	NO	2/3wires	2/3 wires	2/3 wires	2/3 wires	2/3 wires			
			order No.						
Analog 0-20mA	-	3 wires							
			order No.						
5+24 Vdc	NAMUR	2 wires	and an Na						
			order No.						
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)				
Residual Ripple				< 10%	< 10%				
Hysteresis				< 10%	< 10%				
Max. Output Curre				200 mA	200 mA				
Min. Output Curre									
Residual Current				< 10 mA	< 10 mA				
Voltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)				
Operation Led				Yellow	Yellow				
Switching Freque	ncy			400 Hz	400 Hz				
Start Up Delay				< 50 ms	< 50 ms				
Repeability				< 3%	< 3%				

Short Circuit Protection

Electric Protection

Temperature Limit

Protection Degree

Housing Material

Weight - Cable Output

Weight - M12 Connector Output

Cable Length

Cable Section

Present (self-resetting)

Against polarity reversal

inductive loads

(-25 ... +70 °C)

IP67

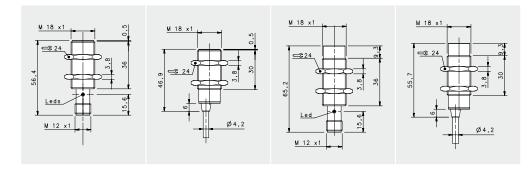
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Nickel-plated brass

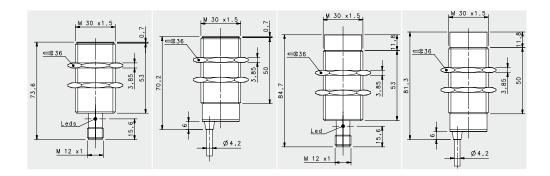
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95g



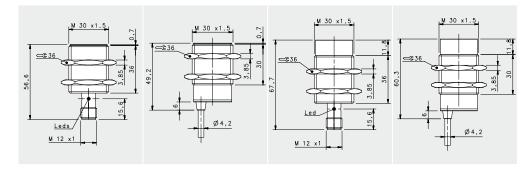
	SHO	RT X2	
FLU	JSH	NON F	LUSH
M12 conn	cable	M12 conn	cable
8 mm	8 mm	14 mm	14 mm
IS-18-G0-S2	IS-18-G0-03	IS-18-H0-S2	IS-18-H0-03
95B064270	95B063851	95B064290	95B064250
IS-18-G1-S2	IS-18-G1-03	IS-18-H1-S2	IS-18-H1-03
95B063531	95B063521	95B063611	95B063601
IS-18-G2-S2	IS-18-G2-03	IS-18-H2-S2	IS-18-H2-03
95B063551	95B063541	95B063631	95B063621
IS-18-G3-S2	IS-18-G3-03	IS-18-H3-S2	IS-18-H3-03
95B063491	95B063061	95B063571	95B063561
IS-18-G4-S2	IS-18-G4-03	IS-18-H4-S2	IS-18-H4-03
95B063511	95B063501	95B063591	95B063581
IS-18-G5-S2	IS-18-G5-03	IS-18-H5-S2	IS-18-H5-03
95B062731	95B062721	95B062811	95B064220
IS-18-G6-S2	IS-18-G6-03	IS-18-H6-S2	IS-18-H6-03
95B062711	95B064200	95B062791	95B064210
IS-18-G9-S2	IS-18-G9-03	IS-18-H9-S2	IS-18-H9-03
95B064330	95B063811	95B064350	95B064320
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
400 Hz	400 Hz	400 Hz	400 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 +60 °C) IP67	(-25 +70 °C) IP67	(-25 +60 °C) IP67	(-25 +70 °C) 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
	145g		145g
95g		95g	





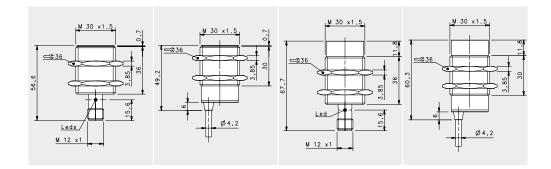
				STANDARD					
				FLUSH		NON FLUSH			
			_	M12 conn	cable	M12 conn	cable		
IOMINAL SWITCH	IING DISTANC	E		10 mm	10 mm	15 mm	15 mm		
10 20 11-	PNP/NPN	PN 4 wires		IS-30-A0-S2	IS-30-A0-03	IS-30-C0-S2	IS-30-C0-03		
10-30 Vdc	NO-NC		order No.	95B064490	95B064460	95B064510	95B064470		
10-30 Vdc	PNP	3 wires		IS-30-A1-S2	IS-30-A1-03	IS-30-C1-S2	IS-30-C1-03		
10-30 Vac	NO		order No.	95B061431	95B061421	95B061831	95B061821		
10-30 Vdc	PNP	3 wires		IS-30-A2-S2	IS-30-A2-03	IS-30-C2-S2	IS-30-C2-03		
	NC		order No.	95B061451	95B061441	95B061851	95B061841		
10-30 Vdc	NPN	3 wires		IS-30-A3-S2	IS-30-A3-03	IS-30-C3-S2	IS-30-C3-03		
10-50 vuc	NO		order No.	95B061391	95B061381	95B061791	95B061781		
10-30 Vdc	NPN	3 wires			IS-30-A4-S2	IS-30-A4-03	IS-30-C4-S2	IS-30-C4-03	
10-30 vuc	NC		order No.	95B061411	95B061401	95B061811	95B061801		
10-30 Vdc	PNP .	3 wires							
10-30 vuc	NO-NC		order No.						
10-30 Vdc	NPN	3 wires							
	NO-NC	JWIIES	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		
	NO-NC	2 WIIES	order No.	95B064570	95B064530	95B064590	95B064550		
20-250 Vac/Vdc	NO	2 wires							
		2 WIICS	order No.						
20-250 Vac/Vdc	NC	2 wires							
250 1427 142	NC	2 WICS	order No.						
20-250 Vac/Vdc	NO	2/3 wires							
			order No.						
Analog 0-20mA	-	3 wires							
			order No.						
5+24 Vdc	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%
Hysteresis	< 10%	< 10%	< 10%	< 10%
Max. Output Current	200mA; 100 mA (2wires)			
Min. Output Current	> 1,6 mA (2wires)			
Residual Current	< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA
Voltage Drop	< 1,8V; < 6,5 V (2wires)			
Operation Led	Yellow	Yellow	Yellow	Yellow
Switching Frequency	300 Hz	300 Hz	300 Hz	300 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 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
Cable Length		2 m		2 m
Cable 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 Output		210 g		210 g
Weight - M12 Connector Output	170 g		170 g	



	<u>SH</u>	ORT	
FLU	JSH		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
10-30 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
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	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity revers 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 mm <sup>2</sup>
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
	210 g		210 g
170 g		170 g	8

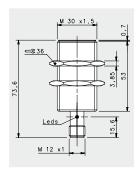




				SHORT X2					
				FLU	5Н	NON F	LUSH		
				M12 conn	cable	M12 conn	cable		
NOMINAL SWITCH	HING DISTAN	CE		15mm	15mm	20 mm	20 mm		
10-30 Vdc	PNP/NPN	( wirec		IS-30-G0-S2	IS-30-G0-03	IS-30-H0-S2	IS-30-H0-03		
10-30 Vac	NO-NC	4 wires	order No.	95B064500	95B063861	95B064520	95B064480		
10-30 Vdc	PNP	Duringe		IS-30-G1-S2	IS-30-G1-03	IS-30-H1-S2	IS-30-H1-03		
10-30 Vac	NO	3 wires	order No.	95B063691	95B063681	95B063771	95B063761		
10-30 Vdc	PNP	3 wires		IS-30-G2-S2	IS-30-G2-03	IS-30-H2-S2	IS-30-H2-03		
10-30 Vac	NC	3 wires	order No.	95B063711	95B063701	95B063791	95B063781		
10.201/4-	NPN	Duringe		IS-30-G3-S2	IS-30-G3-03	IS-30-H3-S2	IS-30-H3-03		
10-30 Vdc	NO	3 wires	order No.	95B063651	95B063641	95B063731	95B063721		
10-30 Vdc	NPN	Zwiros		IS-30-G4-S2	IS-30-G4-03	IS-30-H4-S2	IS-30-H4-03		
10-30 Vac	NC	3 wires	order No.	95B063671	95B063661	95B063751	95B063741		
10-30 Vdc	PNP	3 wires		IS-30-G5-S2	IS-30-G5-03	IS-30-H5-S2	IS-30-H5-03		
10-30 Vac	NO-NC	3 wires	order No.	95B063831	95B063821	95B064450	95B064420		
10 20 1/4-	NPN	3 wires		IS-30-G6-S2	IS-30-G6-03	IS-30-H6-S2	IS-30-H6-03		
10-30 Vdc	NO-NC		3 wires	3 Wires	3 Wires	order No.	95B064430	95B064400	95B064440
10 20 1/4-		2 wires		IS-30-G9-S2	IS-30-G9-03	IS-30-H9-S2	IS-30-H9-03		
10-30 Vdc	NO-NC		2 wires	order No.	95B064580	95B064540	95B064600	95B064560	
	NO	2 wires							
20-250 Vac/Vdc	NO		2 wires	2 wires	2 wires	order No.			
	NC	Duringe							
20-250 Vac/Vdc	NC	2 wires	order No.						
20-250 Vac/Vdc	NO	2/3 wires							
20-250 Vac7 Vuc	NO		2/ J WILES	2/ 3 101123	order No.				
Analog 0-20mA	-	3 wires							
Analog 0-2011A		5 WIIES	order No.						
5+24 Vdc	NAMUR	2 wires							
J#24 Vul	NAMOR	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			200 mA	200 mA	200 mA	200 mA		
Min. Output Curre									
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA		
Voltage Drop				< 1,2 V (I=100mA)					
Operation Led				Yellow	Yellow	Yellow	Yellow		
Switching Freque	ncv			200 Hz	200 Hz	200 Hz	200 Hz		
Start Un Dolay				200 H2	< 7E mc	< 75 mg	4 75 mg		

Operation Led	Yellow	Yellow	Yellow	Yellow
Switching Frequency	200 Hz	200 Hz	200 Hz	200 Hz
Start Up Delay	< 75 ms	< 75 ms	< 75 ms	< 75 ms
Repeability	< 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			
Temperature Limit	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree	IP67	IP67	IP67	IP67
Cable Length		2 m		2 m
Cable Section		3 x 0,25 mm²		3 x 0,25 mm²
Housing Material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Output		210 g		210 g
Weight - M12 Connector Output	170 g		170 g	

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STANDARD X2
FLUSH
M12 conn
15 mm
IS-30-E1-S2
95B067060
10 20111 / 15 (10%)
10-30 Vdc (-15/10%)
< 10%
< 10%
200 mA 
 < 10 mA
< 6,5 V (I=100mA)
Yellow
200 Hz
< 75 ms
< 3%
Present (self-resetting)
Against polarity reversal
inductive loads
(-25 +70 °C)
IP67
 Nickel-plated brass
 170 σ

170 g

## **STAINLESS STEEL**

Stainless Steel housing Standard length Short length Normal and double range operating distance Operating distance 0.8 ... 20 mm M4, M5, M6,5, M8, M12, M18, M30 Cable, M8 or M12 connector 3 wires PNP, NPN, NO, NC IP67 protection

'M12/18/30 models are Diversey and ECOLAB tested"



FLUSH model are ATEX certified II 3G EX nA II T6 II 3D EX tD A22 IP67 T85°C

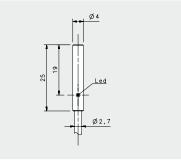
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HILLING CONTRACTOR OF STREET



## **STAINLESS STEEL M4**





## **STANDARD**

### FLUSH cable

#### NOMINAL SWITCHING DISTANCE

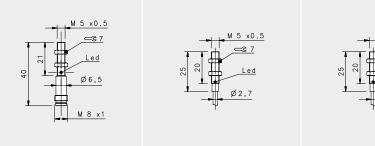
NOMINAL SWITCHING DISTANCE				0,8 mm
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.	
10-30 Vdc	PNP NO	3 wires	order No.	IS-04-A1-03 95B061011
10-30 Vdc	PNP NC	3 wires	order No.	
10-30 Vdc	NPN NO	3 wires	order No.	IS-04-A3-03 95B061001
10-30 Vdc	NPN NC	3 wires	order No.	
10-30 Vdc	PNP NO-NC	3 wires	order No.	
10-30 Vdc	NPN NO-NC	3 wires	order No.	
10-30 Vdc	NO-NC	2 wires	order No.	
20-250 Vac/Vdc	NO	2 wires	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	order No.	
5+24 Vdc	NAMUR	2 wires	order No.	

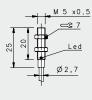
Nominal Voltage	10-30 Vdc (-15/10%)
Residual Ripple	< 10%
Hysteresis	< 15%
Max. Output Current	100 mA
Min. Output Current	
Residual Current	< 0,01 mA
Voltage Drop	< 1,5 V
Operation Led	Yellow
Switching Frequency	2000 Hz
Start Up Delay	
Repeability	< 1%
Short Circuit Protection	Present (self-resetting)
Electric Protection	Against polarity reversal inductive loads
Temperature Limit	(-25 +70 °C)
Protection Degree	IP67
Cable Length	2 m (PUR)
Cable Section	3x 0,15 mm²
Housing Material	Stainless-Steel
Weight - Cable Output	50 g
Weight - M12 Connector Output	

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## **STAINLESS STEEL M5**





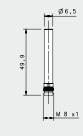


				STAN	DARD	STANDARD X2	
				FLUSH		FLUSH	
				M8 conn	cable	cable	
IOMINAL SWITCH	ING DISTAN	CE		0,8 mm	0,8 mm	1,5 mm	
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.				
10-30 Vdc	PNP NO	3 wires	order No.	IS-05-A1-S1 95B061051	IS-05-A1-03 95B061041		
0-30 Vdc	PNP NC	3 wires	order No.				
0-30 Vdc	NPN NO	3 wires	order No.	IS-05-A3-S1 95B061031	IS-05-A3-03 95B061021	IS-05-E3-03 95B065400	
0-30 Vdc	NPN NC	3 wires	order No.		IS-05-A4-03 95B065420		
0-30 Vdc	PNP NO-NC	3 wires	order No.				
0-30 Vdc	NPN NO-NC	3 wires	order No.				
0-30 Vdc	NO-NC	2 wires	order No.				
0-250 Vac/Vdc	NO	2 wires	order No.				
0-250 Vac/Vdc	NC	2 wires	order No.				
0-250 Vac/Vdc	NO	2/3 wires	order No.				
Analog 0-20mA	-	3 wires	order No.				
+24 Vdc	NAMUR	2 wires	order No.				
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	
Hysteresis				< 15%	< 15%	< 15%	

Nominal voltage	10-30 VUC (-15/10%)	10-30 VUC (-157 10%)	10-30 Vac (- 157 10%)
Residual Ripple	< 10%	< 10%	< 10%
Hysteresis	< 15%	< 15%	< 15%
Max. Output Current	100 mA	100 mA	100 mA
Min. Output Current			
Residual Current	< 0,01 mA	< 0,01 mA	< 0,01 mA
Voltage Drop	< 1,5V	< 1,5V	< 1,5V
Operation Led	Yellow	Yellow	Yellow
Switching Frequency	2000 Hz	2000 Hz	2000 Hz
Start Up Delay			
Repeability	< 1%	< 1%	
Short Circuit Protection	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
Temperature Limit	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree	IP67	IP67	IP67
Cable Length		2 m (PUR)	2 m (PUR)
Cable Section		3x 0,15 mm²	3x 0,15 mm²
Housing Material	Stainless-Steel	Stainless-Steel	Stainless-Steel
Weight - Cable Output		25g	25g
Weight - M12 Connector Output	14g		

## **STAINLESS STEEL M6.5**





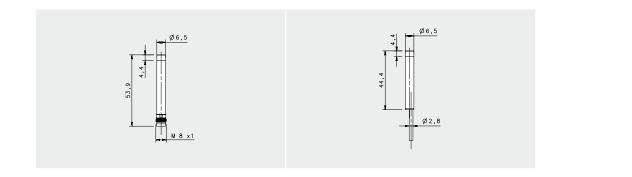


## SHORT STAINLESS STEEL

				FLUSH		
				M8 conn	cable	
IOMINAL SWITCH	ING DISTAN	CE		1,5 mm	1,5 mm	
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.			
10-30 Vdc	PNP NO	3 wires	order No.	IS-65-M1-S1 958066080	IS-65-M1-03 95B064760	
10-30 Vdc	PNP	3 wires		IS-65-M2-S1	IS-65-M2-03	
10-30 Vdc	NC NPN	3 wires	order No.	95B066120 IS-65-M3-S1	95B064800 IS-65-M3-03	
	NO NPN		order No.	95B066000 IS-65-M4-S1	95B064680 IS-65-M4-03	
10-30 Vdc	NC PNP	3 wires	order No.	95B066040	95B064720	
10-30 Vdc	NO-NC	3 wires	order No.			
10-30 Vdc	NPN NO-NC	3 wires	order No.			
10-30 Vdc	NO-NC	2 wires	order No.			
20-250 Vac/Vdc	NO	2 wires	order No.			
20-250 Vac/Vdc	NC	2 wires	order No.			
20-250 Vac/Vdc	NO	2/3wires				
Analog 0-20mA	_	3 wires	order No.			
			order No.			
5+24 Vdc	NAMUR	2 wires	order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple Hysteresis				< 10% < 10%	< 10% < 10%	
Max. Output Curre Min. Output Curre				200 mA	200 mA 	
Residual Current	inc			< 10 mA	< 10 mA	
Voltage Drop Operation Led				< 1,2 V (I=100mA) Yellow	< 1,2 V (I=100mA) Yellow	
Switching Frequency				1000 Hz	1000 Hz	

Operation Led	Yellow	Yellow
Switching Frequency	1000 Hz	1000 Hz
Start Up Delay	< 50 ms	< 50 ms
Repeability	< 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
Cable Length		
Cable Section		3x 0,14 mm²
Housing Material	Stainless-Steel	Stainless-Steel
Weight - Cable Output		80 g
Weight - M12 Connector Output	40 g	

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#### SHORT STAINLESS STEEL

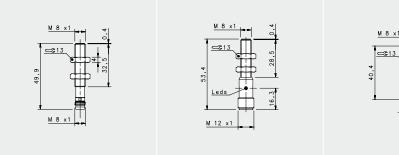
NON FLUSH					
M8 conn	cable				
2 mm	2 mm				
IS-65-N1-S1	IS-65-N1-03				
95B066240	95B064920				
IS-65-N2-S1	IS-65-N2-03				
95B066280	95B064960				
IS-65-N3-S1	IS-65-N3-03				
95B066160	95B064840				
IS-65-N4-S1	IS-65-N4-03				
95B066200	95B064880				
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)				
< 10%	< 10%				
< 10%	< 10%				
200 mA	200 mA				
< 10 mA	< 10 mA				
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)				
Yellow	Yellow				
1000 Hz	1000 Hz				
< 50 ms	< 50 ms				
< 3%	< 3%				
Present (self-resetting)	Present (self-resetting)				
Against polarity reversal inductive loads	Against polarity reversal inductive loads				
(-25 +70 °C)	(-25 +70 °C)				
IP67	IP67				
	3x 0,14 mm²				
Stainless-Steel	Stainless-Steel				
	80 g				
40 g					

# STAINLESS STEEL

ODATALOGIC 37

#### **STAINLESS STEEL M8**





#### SHORT STAINLESS STEEL

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Stainless-Steel

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55g

3x 0,14 mm²

Stainless-Steel 80 g

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2,8

					FLUSH	
				M8 conn	M12 conn	cable
NOMINAL SWITCH	ING DISTAN	CE		1,5 mm	1,5 mm	1,5 mm
10-30 Vdc PNP/NPN NO-NC						
	4 wires	order No.				
10-30 Vdc	PNP	3 wires		IS-08-M1-S1	IS-08-M1-S2	IS-08-M1-03
10-50 Vuc	NO	5 WIIES	order No.	95B066870	95B066600	95B066380
10-30 Vdc	PNP	3 wires		IS-08-M2-S1	IS-08-M2-S2	IS-08-M2-03
10-30 Vuc	NC	5 WIIES	order No.	95B066900	95B066630	95B066600
10-30 Vdc	NPN	3 wires		IS-08-M3-S1	IS-08-M3-S2	IS-08-M3-03
10-30 Vuc	NO	5 WILES	order No.	95B066820	95B066540	95B066340
10-30 Vdc	NPN	3 wires		IS-08-M4-S1	IS-08-M4-S2	IS-08-M4-03
10-30 vuc	NC	5 WILES	order No.	95B066840	95B066570	95B066360
10-30 Vdc	PNP	3 wires				
	NO-NC	JWIES	order No.			
10-30 Vdc	NPN	3 wires				
	NO-NC	JWIES	order No.			
10-30 Vdc	NO-NC	2 wires				
	NO-NC	2 WIIES	order No.			
20-250 Vac/Vdc	NO	2 wires				
	NO	2 WIIES	order No.			
20-250 Vac/Vdc	NC	2 wires				
20 200 1427 142	NC .		order No.			
20-250 Vac/Vdc	NO	2/3 wires				
250 1427 142	No	2/ 5 101/05	order No.			
Analog 0-20mA	-	3 wires				
		5 11105	order No.			
5+24 Vdc	NAMUR	2 wires				
		2 111105	order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%
lysteresis				< 10%	< 10%	< 10%
Max. Output Curre	nt			200 mA	200 mA	200 mA
Min. Output Curre					200 11A	
Residual Current	inc			< 10 mA	< 10 mA	< 10 mA
/oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Operation Led				Yellow	Yellow	Yellow
Switching Frequency		1000 Hz	1000 Hz	1000 Hz		
		< 50 ms	< 50 ms	< 50 ms		
Start Up Delay Repeability		< 3%	< 3%	< 3%		
Short Circuit Prote	ection			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
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				(-25+70 C) IP67	(-25 +70 °C) IP67	(-25+70 C) IP67
-				IP67	IP67	1267
Cable Length						

38 **ODATALOGIC** 

Cable Section

Housing Material

Weight - Cable Output

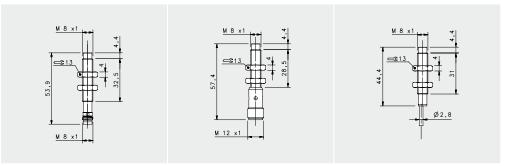
Weight - M12 Connector Output

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Stainless-Steel

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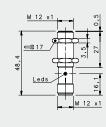


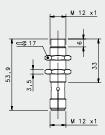
SHORT STAINLESS STEEL					
	NON FLUSH				
M8 conn	M12 conn	cable			
2 mm	2 mm	2 mm			
IS-08-N1-S1	IS-08-N1-S2	IS-08-N1-03			
95B066980	95B066710	95B066490			
IS-08-N2-S1	IS-08-N2-S2	IS-08-N2-03			
95B067010	95B066730	95B066510			
IS-08-N3-S1	IS-08-N3-S2	IS-08-N3-03			
95B066930	95B066660	95B066440			
IS-08-N4-S1	IS-08-N4-S2	IS-08-N4-03			
95B066950	95B066680	95B066470			
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)			
< 10%	< 10%	< 10%			
< 10%	< 10%	< 10%			
200 mA	200 mA	200 mA			
< 10 mA	< 10 mA	< 10 mA			
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)			
Yellow	Yellow	Yellow			
1000 Hz	1000 Hz	1000 Hz			
< 50 ms	< 50 ms	< 50 ms			
< 3%	< 3%	< 3%			
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)			
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads			
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)			
IP67	IP67	IP67			
		3x 0,14 mm²			
Stainless-Steel	Stainless-Steel	Stainless-Steel			
		80 g			
35g	55g				
556					

STAINLESS STEEL

#### **STAINLESS STEEL M12**

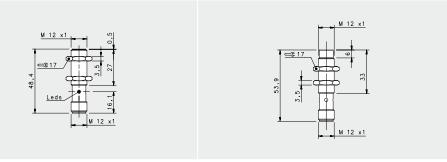






#### SHORT STAINLESS STEEL NON FLUSH FLUSH M12 conn M12 conn NOMINAL SWITCHING DISTANCE 2 mm 4 mm PNP/NPN ------10-30 Vdc 4 wires NO-NC ---order No. ----PNP IS-12-M1-S2 IS-12-N1-S2 10-30 Vdc 3 wires NO 95B060240 95B060280 order No. PNP IS-12-M2-S2 IS-12-N2-S2 10-30 Vdc 3 wires NC 95B060250 95B060290 order No. NPN IS-12-M3-S2 IS-12-N3-S2 10-30 Vdc 3 wires NO order No. 95B060260 95B060300 NPN IS-12-M4-S2 IS-12-N4-S2 10-30 Vdc 3 wires NC 95B060310 order No. 95B060270 PNP -------10-30 Vdc 3 wires NO-NC order No. -------NPN -------10-30 Vdc 3 wires NO-NC -------order No. -------10-30 Vdc NO-NC 2 wires order No. -------------NO 20-250 Vac/Vdc 2 wires 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 order No. -------------5+24 Vdc NAMUR 2 wires order No. ---

Nominal Voltage	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple	< 10%	< 10%
Hysteresis	< 10%	< 10%
Max. Output Current	200 mA	200 mA
Min. Output Current		
Residual Current	< 10 mA	< 10 mA
Voltage Drop	< 1,8 V (I=100mA)	< 1,8 V (I=100mA)
Operation Led	Yellow	Yellow
Switching Frequency	1000 Hz	1000 Hz
Start Up Delay	< 50 ms	< 50 ms
Repeability	< 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 +60 °C)	(-25 +60 °C)
Protection Degree	IP67	IP67
Cable Length		
Cable Section		
Housing Material	Stainless-Steel	Stainless-Steel
Weight - Cable Output		
Weight - M12 Connector Output	60 g	60 g



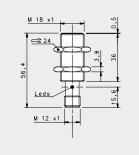
SHORT STAIN	LESS STEEL X2
FLUSH	NON FLUSH
M12 conn	M12 conn
4 mm	8 mm
IS-12-01-S2	IS-12-P1-S2
95B060000	95B060040
IS-12-02-S2	IS-12-P2-S2
95B060010	95B060050
IS-12-03-S2	IS-12-P3-S2
95B060020	95B060060
IS-12-04-S2	IS-12-P4-S2
95B060030	95B060070
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%
< 10%	< 10%
200 mA	200 mA
< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow
500 Hz	500 Hz
< 75 ms	< 75 ms
< 3%	< 3%
۲۵۵ Present (self-resetting)	ح عراق Present (self-resetting)
Against polarity reversal	Against polarity reversal
inductive loads	inductive loads
(-25 +60 °C)	(-25 +60 °C)
IP67	IP67
Stainless-Steel	Stainless-Steel
60 g	60 g

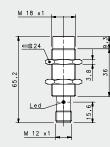
#### STAINLESS STEEL

ODATALOGIC 41

#### **STAINLESS STEEL M18**

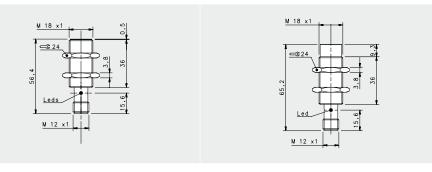






#### SHORT STAINLESS STEEL NON FLUSH FLUSH M12 conn M12 conn NOMINAL SWITCHING DISTANCE 5 mm 8 mm PNP/NPN ------10-30 Vdc 4 wires NO-NC order No. --------PNP IS-18-M1-S2 IS-18-N1-S2 10-30 Vdc 3 wires NO 95B060320 95B060360 order No. PNP IS-18-M2-S2 IS-18-N2-S2 10-30 Vdc 3 wires NC 95B060330 95B060370 order No. NPN IS-18-M3-S2 IS-18-N3-S2 10-30 Vdc 3 wires NO order No. 95B060340 95B060380 NPN IS-18-M4-S2 IS-18-N4-S2 10-30 Vdc 3 wires NC 95B060390 order No. 95B060350 PNP -------10-30 Vdc 3 wires NO-NC order No. -------NPN -------10-30 Vdc 3 wires NO-NC -------order No. -------10-30 Vdc NO-NC 2 wires order No. -------------20-250 Vac/Vdc NO 2 wires 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 ---order No. ----------5+24 Vdc NAMUR 2 wires order No. ---

Nominal Voltage	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple	< 10%	< 10%
Hysteresis	< 10%	< 10%
Max. Output Current	200 mA	200 mA
Min. Output Current		
Residual Current	< 10 mA	< 10 mA
Voltage Drop	< 1,8 V (I=100mA)	< 1,8 V (I=100mA)
Operation Led	Yellow	Yellow
Switching Frequency	1000 Hz	1000 Hz
Start Up Delay	< 50 ms	< 50 ms
Repeability	< 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 +60 °C)	(-25 +60 °C)
Protection Degree	IP67	IP67
Cable Length		
Cable Section		
Housing Material	Stainless-Steel	Stainless-Steel
Weight - Cable Output		
Weight - M12 Connector Output	95g	95g



SHORT STAIN	LESS STEEL X2
FLUSH	NON FLUSH
M12 conn	M12 conn
8 mm	14 mm
IS-18-01-52	IS-18-P1-S2
95B060080	95B060120
IS-18-02-52	IS-18-P2-S2
95B060090	95B060130
IS-18-03-S2	IS-18-P3-S2
95B060100	95B060140
IS-18-04-52	IS-18-P4-S2
95B060110	95B060150
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%
< 10%	< 10%
200 mA	200 mA
< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow
400 Hz	400 Hz
< 75 ms	< 75 ms
< 3%	< 3%
Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)
IP67	IP67
Stainless-Steel	Stainless-Steel
95g	95g
	· · · · · · · · · · · · · · · · · · ·

STAINLESS STEEL

CONTALOGIC 43

#### **STAINLESS STEEL M30**



10-30 Vdc

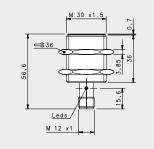
10-30 Vdc

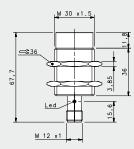
10-30 Vdc

10-30 Vdc

10-30 Vdc

10-30 Vdc





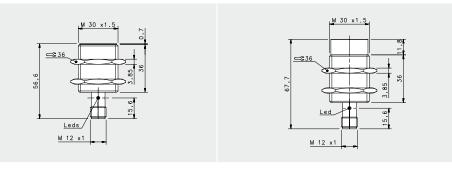
#### SHORT STAINLESS STEEL FLUSH NON FLUSH M12 conn M12 NOMINAL SWITCHING DISTANCE 10 mm 15 mm PNP/NPN -------4 wires NO-NC order No. --------PNP IS-30-M1-S2 IS-30-N1-S2 3 wires NO order No. 95B060400 95B060440 PNP IS-30-M2-S2 IS-30-N2-S2 3 wires NC order No. 95B060410 95B060450 NPN IS-30-M3-S2 IS-30-N3-S2 3 wires NO 95B060420 95B060460 order No. NPN IS-30-M4-S2 IS-30-N4-S2 3 wires NC 95B060430 95B060470 order No. PNP ------3 wires NO-NC ---order No. ---

			oraci No.	
10-30 Vdc	NPN	3 wires		 
10-50 Vuc	NO-NC	5 wires	order No.	 
10-30 Vdc	NO-NC	2 wires		 
	NO-NC	2 WIIES	order No.	 
20-250 Vac/Vdc	NO	2 wires		 
20 200 1407 140	NO	2 101105	order No.	 
20-250 Vac/Vdc	NC	2 wires		 
		2 111105	order No.	 
20-250 Vac/Vdc	NO	2/3 wires		 
			order No.	 
Analog 0-20mA	_	3 wires		 
			order No.	 
5+24 Vdc	NAMUR	2 wires		 
			order No.	 

Nominal Voltage	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple	< 10%	< 10%
Hysteresis	< 10%	< 10%
Max. Output Current	200 mA	200 mA
Min. Output Current		
Residual Current	< 10 mA	< 10 mA
Voltage Drop	< 1,8 V (I=100mA)	< 1,8 V (I=100mA)
Operation Led	Yellow	Yellow
Switching Frequency	300 Hz	300 Hz
Start Up Delay	< 50 ms	< 50 ms
Repeability	< 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 +60 °C)	(-25 +60 °C)
Protection Degree	IP67	IP67
Cable Length		
Cable Section		
Housing Material	Stainless-Steel	Stainless-Steel
Weight - Cable Output		
Weight - M12 Connector Output	170 g	170 g

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SHORT STAIN	LESS STEEL X2
FLUSH	NON FLUSH
M12 conn	M12 conn
15 mm	20 mm
IS-30-01-52	IS-30-P1-S2
95B060160	95B060200
IS-30-02-S2	IS-30-P2-S2
95B060180	95B060210
IS-30-03-52	IS-30-P3-S2
95B060180	95B060220
IS-30-04-52	IS-30-P4-S2
95B060190	95B060230
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%
< 10%	< 10%
200 mA	200 mA
< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow
200 Hz	200 Hz
< 75 ms	< 75 ms
< 3%	< 3%
Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)
IP67	IP67
Stainless-Steel	Stainless-Steel
170 g	170 g
-	-

STAINLESS STEEL

ODATALOGIC 45

#### **METAL FACE**

Stainless Steel housing Stainless Steel active face Standard length 2 ... 8 mm M12, M18 M12 connector 3 wires PNP, NO IP67 protection



"M12/18/30 models are Diversey and ECOLAB tested"

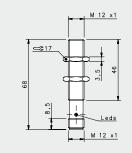


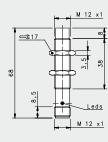
M12/18/30 FLUSH models are ATEX certified II 3G EX nA II T6 II 3D EX tD A22 IP67 T85°C



## **METAL FACE M12**







inductive loads

(-25 ... +70 °C)

IP67

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Stainless-Steel

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30 g

				META	L FACE
				FLUSH	NON FLUSH
				M12 conn	M12 conn
IOMINAL SWITCH	HING DISTANC	F		2 mm	4 mm
		-			
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.		
	PNP			IS-12-I1-S2	IS-12-L1-S2
0-30 Vdc	NO	3 wires	order No.	95B065340	95B063871
0-30 Vdc	PNP	3 wires			
0-30 Vac	NC	3 wires	order No.		
10-30 Vdc	NPN	3 wires			
	NO		order No.		
10-30 Vdc	NPN NC	3 wires	a unda u Mia		
	-		order No.		
10-30 Vdc	PNP NO-NC	3 wires	order No.		
	NPN		order No.		
10-30 Vdc	NO-NC	3 wires	order No.		
			order No.		
0-30 Vdc	NO-NC		order No.		
0.05014 444		NO 2 minute			
20-250 Vac/Vdc	NO	2 wires	order No.		
20-250 Vac/Vdc	NC	2 wires			
	NC	2 wires	order No.		
20-250 Vac/Vdc	tc NO 2	2/3wires			
	No	2/ 5 101/25	order No.		
Analog 0-20mA	_	3 wires			
			order No.		
i+24 Vdc	NAMUR	AMUR 2 wires			
			order No.		
Iominal Voltage				10-30 Vdc	10-30 Vdc
Residual Ripple				< 10%	< 10%
lysteresis				< 15%	< 15%
, Max. Output Curre	ent			200 mA	200 mA
Ain. Output Curre	ent				
Residual Current				< 0,01 mA	< 0,01 mA
Voltage Drop			< 1,5 V (I=100mA)	< 1,5 V (I=100mA)	
Operation Led			Present	Present	
Switching Frequency			2000 Hz	1000 Hz	
start Up Delay					
Repeability				< 1%	< 1%
Short Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)
Electric Protection	n			Against polarity reversal	Against polarity reversal

48 **ODATALOGIC** 

Temperature Limit

Protection Degree

Housing Material

Weight - Cable Output

Weight - M12 Connector Output

Cable Length

Cable Section

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inductive loads

(-25 ... +70 °C)

IP67

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Stainless-Steel

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#### **METAL FACE M18**



Start Up Delay

Short Circuit Protection

Electric Protection

Temperature Limit

Protection Degree

Housing Material

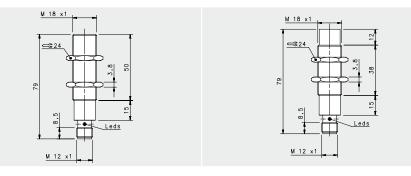
Weight - Cable Output

Weight - M12 Connector Output

Cable Length

Cable Section

Repeability



				METAL FACE	
				FLUSH	NON FLUSH
				M12 conn	M12 conn
IOMINAL SWITCH	HING DISTAN	CE		5 mm	8 mm
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.		
10-30 Vdc	PNP NO	3 wires	order No.	IS-18-I1-52 958065350	IS-18-L1-S2 95B063881
10-30 Vdc	PNP NC	3 wires	order No.		
10-30 Vdc	NPN NO	3 wires	order No.		
10-30 Vdc	NPN NC	3 wires	order No.		
10-30 Vdc	PNP NO-NC	3 wires	order No.		
10-30 Vdc	NPN NO-NC	3 wires	order No.		
10-30 Vdc	NO-NC	2 wires	order No.		
20-250 Vac/Vdc	NO	2 wires	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	order No.		
5+24 Vdc	NAMUR	2 wires	order No.		
Nominal Voltage			·	10-30 Vdc	10-30 Vdc
Residual Ripple				< 10%	< 10%
Hysteresis				< 15%	< 15%
Max. Output Curre	ent			200 mA	200 mA
Min. Output Curre				> 1,6 mA	> 1,6 mA
Residual Current				< 0,01 mA	< 0,01 mA
Voltage Drop				< 1,5 V	< 1,5 V
Operation Led				Present	Present
Switching Frequency				1000 Hz	500 Hz
Chart Lin Dalay					

< 1%

Present (self-resetting)

Against polarity reversal

inductive loads

(-25 ... +70 °C)

IP67

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Stainless-Steel

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95g

< 1%

Present (self-resetting)

Against polarity reversal inductive loads

(-25 ... +70 °C)

IP67

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Stainless-Steel

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# WELD FIELD IMMUNE

Stainless Steel housing PTFE active face Standard length Operating distance 2 ... 8 mm M12, M18 M12 connector 3 wires PNP, NO IP67 protection



"M12/18/30 models are Diversey and ECOLAB tested"



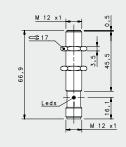
M12/18/30 FLUSH models are ATEX certified II 3G EX nA II T6 II 3D EX tD A22 IP67 T85°C

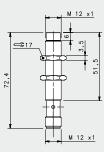
# WELD FIELD IMMUNE

pag MMUNE

#### WELD FIELD IMMUNE M12





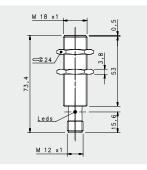


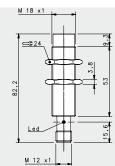
#### FIELD IMMUNE STAINLESS STEEL FLUSH NON FLUSH M12 conn M12 conn NOMINAL SWITCHING DISTANCE 2 mm 4 mm PNP/NPN ------10-30 Vdc 4 wires NO-NC order No. --------PNP IS-F12-S1-S2 IS-F12-T1-S2 10-30 Vdc 3 wires NO order No. 95B065360 95B065370 PNP ------10-30 Vdc 3 wires NC ------order No. NPN ------10-30 Vdc 3 wires NO order No. ------NPN ---10-30 Vdc 3 wires NC -------order No. PNP -------10-30 Vdc 3 wires NO-NC order No. -------NPN -------10-30 Vdc 3 wires NO-NC -------order No. -------10-30 Vdc NO-NC 2 wires order No. -------------20-250 Vac/Vdc NO 2 wires 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 order No. -------------5+24 Vdc NAMUR 2 wires order No. ---

Nominal Voltage	10-30 Vdc	10-30 Vdc
Residual Ripple	< 10%	< 10%
Hysteresis	< 15%	< 15%
Max. Output Current	200 mA	200 mA
Min. Output Current	< 10mA	< 10mA
Residual Current	< 0,1 mA	< 0,1 mA
Voltage Drop	< 1,5V	< 1,5V
Operation Led	Present	Present
Switching Frequency	2000 Hz	1000 Hz
Start Up Delay	< 0,1 ms	< 0,1 ms
Repeability	< 1%	< 1%
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
Cable Length		
Cable Section		
Housing Material	Stainless-Steel	Stainless-Steel
Weight - Cable Output		
Weight - M12 Connector Output	25g	23g

# WELD FIELD IMMUNE M18







				FIELD IMMUNE S	TAINLESS STEEL
				FLUSH	NON FLUSH
				M12 conn	M12 conn
OMINAL SWITCI	HING DISTAN	CE		5 mm	8 mm
10-30 Vdc	PNP/NPN	4 wires			
0-50 vac	NO-NC	4 WIIES	order No.		
10-30 Vdc	PNP	3 wires		IS-F18-S1-S2	IS-F18-T1-S2
0-50 vuc	NO	5 wires	order No.	95B065380	95B065390
	PNP	2			
10-30 Vdc	NC	3 wires	order No.		
	NPN	2			
10-30 Vdc	NO	3 wires	order No.		
0.2014-	NPN	2			
0-30 Vdc	NC	3 wires	order No.		
0.2014-	PNP	2			
0-30 Vdc	NO-NC	3 wires	order No.		
0.001/4-	NPN	2			
0-30 Vdc	NO-NC	3 wires	order No.		
	10.10	IO-NC 2 wires			
0-30 Vdc	NO-NC		order No.		
20-250 Vac/Vdc	NO	D 2 wires	order No.		
	NC	- ·			
20-250 Vac/Vdc	NC	2 wires	order No.		
2501/(1)/-	NO	2/2			
20-250 Vac/Vdc	NO	2/3 wires	order No.		
		_ ·			
Analog 0-20mA	-	3 wires	order No.		
5+24 Vdc	NAMUR	2 wires	order No.		

Nominal Voltage	10-30 Vdc	10-30 Vdc
Residual Ripple	< 10%	< 10%
Hysteresis	< 15%	< 15%
Max. Output Current	200 mA	200 mA
Min. Output Current	< 10mA	< 10mA
Residual Current	< 0,1 mA	< 0,1 mA
Voltage Drop	< 1,5V	< 1,5V
Operation Led	Present	Present
Switching Frequency	1000 Hz	500 Hz
Start Up Delay	< 0,2 ms	< 0,5 ms
Repeability	< 1%	< 1%
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
Cable Length		
Cable Section		
Housing Material	Stainless-Steel	Stainless-Steel
Weight - Cable Output		
Weight - M12 Connector Output	94g	91g

# **INDUCTIVE AC**

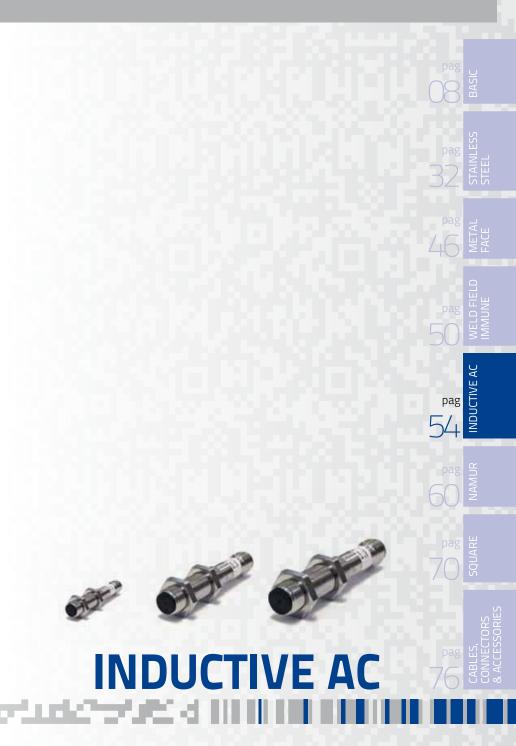
Nickel-plated Brass housing Standard length Operating distance 2 ... 10 mm M12, M18, M30 cable or M12 connector 20+250 Vac (50,60 Hz) 2 or 3 wires NO IP67 protection

The second s

"M12/18/30 models are Diversey and ECOLAB tested"



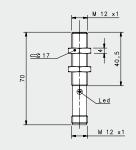
M12/18/30 FLUSH models are ATEX certified II 3G EX nA II T6 II 3D EX tD A22 IP67 T85°C

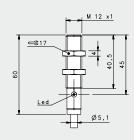


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# **INDUCTIVE AC M12**







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#### **STANDARD VAC**

				FLUSH			
				M12 conn	cable		
NOMINAL SWITCH	DMINAL SWITCHING DISTANCE			2 mm	2 mm		
10-30 Vdc	PNP/NPN	4 wires					
10 30 142	NO-NC	4 WIIC5	order No.				
10-30 Vdc	PNP	3 wires					
	NO		order No.				
10-30 Vdc	PNP	3 wires					
	NC		order No.				
10-30 Vdc	NPN NO	3 wires					
			order No.				
10-30 Vdc	NPN NC	3 wires	and an Ma				
			order No.				
10-30 Vdc	PNP NO-NC	3 wires	audau Na				
			order No.				
10-30 Vdc	NPN NO-NC	3 wires	ordor No				
	NO-NC		order No.				
10-30 Vdc	NO-NC	2 wires	order No.				
			order NO.				
20-250 Vac/Vdc	NO	2 wires	2 wires	2 wires	order No.		
		order No.					
20-250 Vac/Vdc	NC	2 wires	order No.				
			order No.	IS-12-A15-S2	IS-12-A15-03		
20-250 Vac/Vdc	NO	2/3 wires	order No.	95B060690	95B060680		
			order No.				
Analog 0-20mA	-	3 wires	order No.				
5+24 Vdc	NAMUR	2 wires	order No.				
Iominal Voltage				20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)		
Residual Ripple				< 10%	< 10%		
lysteresis				< 10%	< 10%		
lax. Output Curre	nt			500 mA, inrush:1,5A	500 mA, inrush:1,5A		
/lin. Output Curre	nt			20 mA	20 mA		
Residual Current				< 0,7 mA	< 0,7 mA		
/oltage Drop				< 4 V (I=100mA)	< 4 V (I=100mA)		
peration Led				Yellow	Yellow		
witching Freque	ncy			25 Hz	25 Hz		
tart Up Delay				< 300 ms	< 300 ms		
Repeability				5%	5%		
hort Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)		
lectric Protection	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads		
emperature Limit				(-25 +70 °C)	(-25 +70 °C)		
Protection Degree				IP67	IP67		
Cable Length					2 m		
Cable Section					2 x 0,25 mm²		
Housing Material				Nickel-plated brass	Nickel-plated brass		
Weight - Cable Out	tput				145g		
Woight M12 Con				0Eq.			

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Weight - M12 Connector Output

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# **INDUCTIVE AC M18**



Electric Protection

Temperature Limit Protection Degree

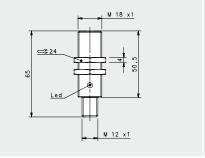
Cable Length

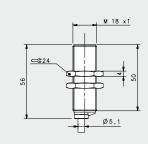
Cable Section

Housing Material

Weight - Cable Output

Weight - M12 Connector Output





#### **STANDARD VAC**

					JSH
				M12 conn	cable
NOMINAL SWITCH	IING DISTAN	CE		5 mm	5 mm
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.		
10-30 Vdc	PNP NO	3 wires	order No.		
10-30 Vdc	PNP NC	3 wires	order No.		
10-30 Vdc	NPN NO	3 wires	order No.		
10-30 Vdc	NPN NC	3 wires	order No.		
10-30 Vdc	PNP NO-NC	3 wires	order No.		
10-30 Vdc	NPN NO-NC	3 wires	order No.		
10-30 Vdc	NO-NC	2 wires	order No.		
20-250 Vac/Vdc	NO	2 wires	order No.		
20-250 Vac/Vdc	NC	2 wires	order No.		
20-250 Vac/Vdc	NO	2/3 wires	order No.	IS-18-A15-S2 95B060780	IS-18-A15-03 95B060770
Analog 0-20mA	-	3 wires	order No.		
5+24 Vdc	NAMUR	2 wires	order No.		
Nominal Voltage				20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)
Residual Ripple				< 10%	< 10%
Hysteresis				< 10%	< 10%
Max. Output Currer	nt			500 mA, inrush:1,5A	500 mA, inrush:1,5A
Min. Output Curre	nt			20 mA	20 mA
Residual Current				< 0,7 mA	< 0,7 mA
Voltage Drop				< 4 V (I=100mA)	< 4 V (l=100mA)
Operation Led				Yellow	Yellow
Switching Frequen	псу			25 Hz	25 Hz
Start Up Delay				< 300 ms	< 300 ms
Repeability				5%	5%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)

Present (self-resetting) Against polarity reversal inductive loads (-25 ... +70 °C) IP67 2 m 2 x 0,25 mm² Nickel-plated brass 145g ----

ODATALOGIC 57

Against polarity reversal

inductive loads

(-25 ... +70 °C)

IP67

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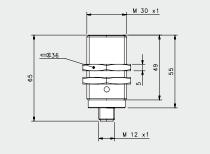
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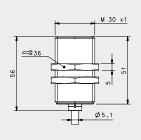
Nickel-plated brass

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# **INDUCTIVE AC M30**







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#### **STANDARD VAC**

				FLUSH		
				M12 conn	cable	
NOMINAL SWITCH	HING DISTAN	CE		10 mm	10 mm	
40.2014-	PNP/NPN	(				
10-30 Vdc	NO-NC	4 wires	order No.			
10-30 Vdc	PNP	Zwiros				
10-30 Vac	NO	3 wires	order No.			
10-30 Vdc	PNP	3 wires				
	NC	5 WIIES	order No.			
10-30 Vdc	NPN	3 wires				
	NO	Swites	order No.			
10-30 Vdc	NPN	3 wires				
	NC	5 11105	order No.			
10-30 Vdc	PNP	3 wires				
	NO-NC		order No.			
10-30 Vdc	NPN 3	3 wires				
	NO-NC		order No.			
10-30 Vdc	NO-NC	2 wires				
			order No.			
20-250 Vac/Vdc	NO	2 wires	and an Ma			
			order No.			
20-250 Vac/Vdc	NC	2 wires	order No.			
		2/3 wires	order No.	 IS-30-A15-S2	 IS-30-A15-03	
20-250 Vac/Vdc	NO		order No.	958060820	95B060810	
			order No.			
Analog 0-20mA	-		order No.			
			order No.			
5+24 Vdc	NAMUR		order No.			
Nominal Voltage				20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)	
Residual Ripple				< 10%	< 10%	
lysteresis				< 10%	< 10%	
/Iax. Output Curre	nt			500 mA, inrush:1,5A	500 mA, inrush:1,5A	
/in. Output Curre	ent			20 mA	20 mA	
Residual Current				< 0,7 mA	< 0,7 mA	
/oltage Drop				< 4 V (I=100mA)	< 4 V (I=100mA)	
Operation Led				Yellow	Yellow	
witching Freque	ncy			25 Hz	25 Hz	
start Up Delay				< 300 ms	< 300 ms	
Repeability				5%	5%	
hort Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)	
lectric Protection	n			Against polarity reversal inductive loads	Against polarity reversal inductive loads	
emperature Limit	t			(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	
able Length					2 m	
able Section					2 x 0,25 mm²	
Housing Material				Nickel-plated brass	Nickel-plated brass	
Neight - Cable Ou	tput				145g	
Waight M12 Can	nastas Outnut			05~	5	

58 **ODATALOGIC** 

Weight - M12 Connector Output

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#### NAMUR

Stainless Steel housing Short length Operating distance 0.8 ... 15 mm M12, M18 Cable, M8 or M12 connector 2 wires IP67 protection

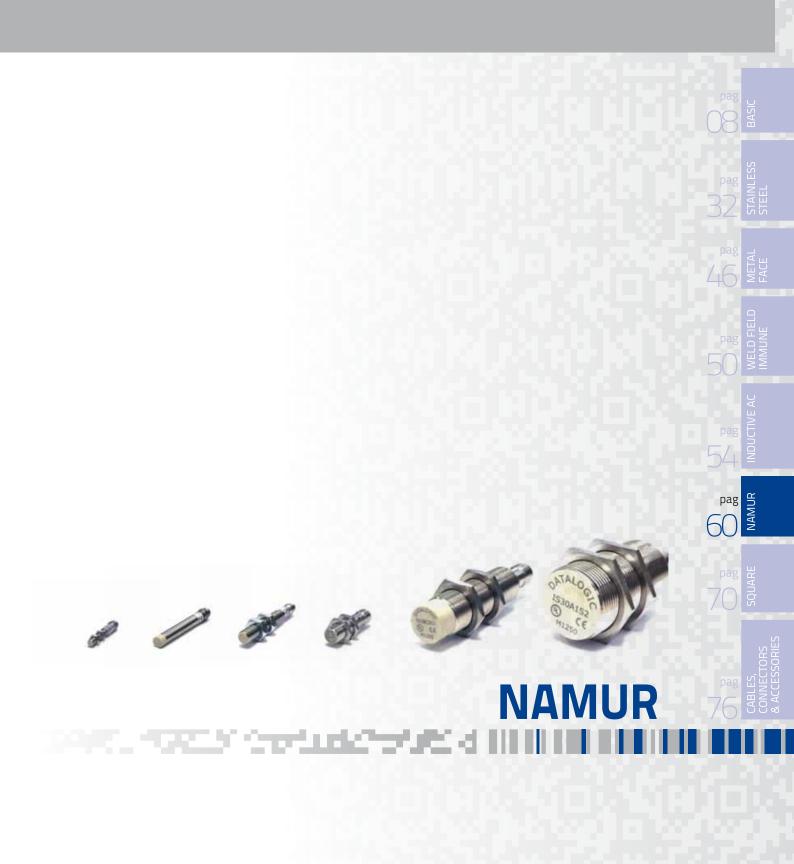
"M12/18/30 models are Diversey and ECOLAB tested"



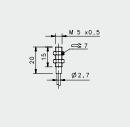
M12/18/30 FLUSH models are ATEX certified II 3G EX nA II T6 II 3D EX tD A22 IP67 T85°C

60 **ODATALOGIC** 

HILLING SPECIAL SECTION.







NAMUR

				MAMUN		
				FLUSH		
				cable		
NOMINAL SWITCH	HING DISTAN	CE		0,8 mm		
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.			
10-30 Vdc	PNP NO	3 wires	order No.			
10-30 Vdc	PNP NC	3 wires	order No.			
10-30 Vdc	NPN NO	3 wires	order No.			
10-30 Vdc	NPN NC	3 wires	order No.			
10-30 Vdc	PNP NO-NC	3 wires	order No.			
10-30 Vdc	NPN NO-NC	3 wires	order No.			
10-30 Vdc	NO-NC	2 wires	order No.			
20-250 Vac/Vdc	NO	2 wires	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	order No.			
5+24 Vdc	NAMUR	2 wires	order No.	IS-05-A20-03 95B065410		

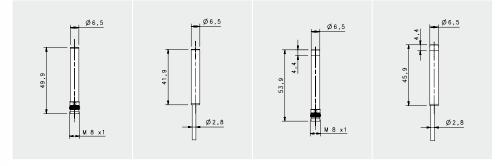
Niews in al Malta an	C: 42 V DC
Nominal Voltage	6+ 12 V DC
Residual Ripple	
Hysteresis	< 10%
Max. Output Current	< 3 mA (metal absent)
Min. Output Current	< 1 mA (metal present)
Residual Current	
Voltage Drop	
Operation Led	Yellow
Switching Frequency	2000 Hz
Start Up Delay	< 10 ms
Repeability	
Short Circuit Protection	Present (self-resetting)
Electric Protection	Against polarity reversal inductive loads
Temperature Limit	(-25 +70 °C)
Protection Degree	IP67
Cable Length	2 m (PVC)
Cable Section	2x 0,15 mm²
Housing Material	Stainless-Steel
Weight - Cable Output	25g
Weight - M12 Connector Output	

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# NAMUR M6.5



Weight - M12 Connector Output



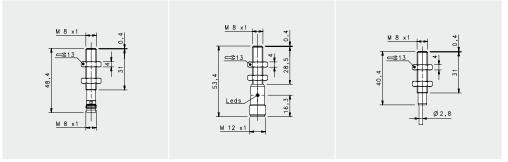
					NA	MUR	
				FLU	ISH	NON F	LUSH
				M8 conn	cable	M8 conn	cable
IOMINAL SWITCH	ING DISTANO	CE		1 mm	1 mm	2 mm	2 mm
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.				
10-30 Vdc	PNP NO	3 wires	order No.				
10-30 Vdc	PNP NC	3 wires	order No.				
10-30 Vdc	NPN NO	3 wires	order No.				
10-30 Vdc	NPN	3 wires					
10-30 Vdc	NC PNP	3 wires	order No.				
	NO-NC NPN		order No.				
10-30 Vdc	NO-NC	3 wires	order No.				
10-30 Vdc	NO-NC	2 wires	order No.				
20-250 Vac/Vdc	NO	2 wires	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					
5+24 Vdc	NAMUR	2 wires	order No.	 IS-65-A20-S1	 IS-65-A20-03	 IS-65-C20-S1	 IS-65-C20-03
			order No.	95B066310	95B066290	95B066320	95B066300
Nominal Voltage				7,7 + 9 V DC			
Residual Ripple Hysteresis				< 10% < 10%	< 10% < 10%	< 10% < 10%	< 10% < 10%
Max. Output Currer Min. Output Currer				< 3 mA (metal absent) < 1 mA (metal present)	< 3 mA (metal absent) < 1 mA (metal present)	< 3 mA (metal absent) < 1 mA (metal present)	< 3 mA (metal absent) < 1 mA (metal present)
Residual Current							
Voltage Drop Operation Led				 Yellow	 Yellow	 Yellow	 Yellow
Switching Frequen Start Up Delay	су			2000 Hz	2000 Hz	2000 Hz	2000 Hz
Repeability	ation			< 3%	< 3%	< 3%	< 3%
Short Circuit Prote Electric Protection				Present (self-resetting) Against polarity reversal			
Temperature Limit				inductive loads (-25 +60 °C)			
Protection Degree				IP67	IP67	IP67	IP67
Cable Length					2 m		2 m
Cable Section					2x 0,25 mm <sup>2</sup>	 Chairdean Chard	2 x 0,25 mm <sup>2</sup>
Housing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel	Stainless-Steel
Weight - Cable Out					80 g		80 g

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40 g

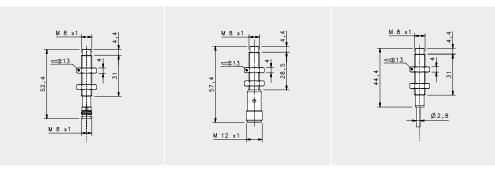
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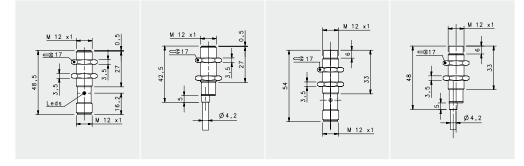
				NAMUR				
					FLUSH			
			,	M8 conn	M12 conn	cable		
NOMINAL SWITCH	HING DISTAN	CE		1 mm	1 mm	1 mm		
10-30 Vdc	PNP/NPN	4 wires						
	NO-NC	4 WIICS	order No.					
10-30 Vdc	PNP NO	3 wires	order No.					
	PNP		order No.					
10-30 Vdc	NC	3 wires	order No.					
40.201/4-	NPN	2						
10-30 Vdc	NO	3 wires	order No.					
10-30 Vdc	NPN	3 wires						
10-30 Vuc	NC	5 WILES	order No.					
10-30 Vdc	PNP	3 wires						
	NO-NC	5 WIIC5	order No.					
10-30 Vdc	NPN	3 wires						
	NO-NC		order No.					
10-30 Vdc	NO-NC	2 wires	and an Nia					
			order No.					
20-250 Vac/Vdc	NO	2 wires	order No.					
		2 wires	order No.					
20-250 Vac/Vdc	NC		order No.					
		2/3 wires	order No.					
20-250 Vac/Vdc	NO		order No.					
Analog 0-20mA	-	3 wires	order No.					
	NAMUR	2		IS-08-A20-S1	IS-08-A20-S2	S-08-A20-03		
5+24 Vdc	NAMUR	2 wires	order No.	95B066760	95B066780	95B066740		
Nominal Voltage				7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC		
Residual Ripple				< 10% < 10%	< 10% < 10%	< 10% < 10%		
Hysteresis Max, Output Curro	nt							
Max. Output Curre Min. Output Curre				< 3 mA (metal absent) < 1 mA (metal present)	< 3 mA (metal absent) < 1 mA (metal present)	< 3 mA (metal absent) < 1 mA (metal present)		
Residual Current				< T THA (metal present)				
Voltage Drop								
Operation Led				Yellow	Yellow	Yellow		
Switching Freque	ncv			2000 Hz	2000 Hz	2000 Hz		
Start Up Delay	-1							
Repeability				< 3%	< 3%	< 3%		
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)		
Electric Protection	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads		
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)		
Protection Degree				IP67	IP67	IP67		
Cable Length						2 m		
Cable Section						2x 0,25 mm²		
Housing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel		
Weight - Cable Out	tput					80 g		
Weight - M12 Con	nector Output			35g	55g			

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	NAMUR	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-C20-S1	IS-08-C20-S2	IS-08-C20-03
95B066790	95B066770	95B066750
7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC
< 10%	< 10%	< 10%
< 10%	< 10%	< 10%
< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent)
< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)
		< Tink (inetal present)
Yellow	Yellow	Yellow
2000 Hz	2000 Hz	2000 Hz
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
IP67	IP67	IP67
		2 m
		2 x 0,25 mm²
Stainless-Steel	Stainless-Steel	Stainless-Steel
		80 g
35g	55g	





					NAI	MUR				
				FLU	JSH	NON F	LUSH			
				M12 conn	cable	M12 conn	cable			
NOMINAL SWITCH	MINAL SWITCHING DISTANCE		2 mm	2 mm	4mm	4mm				
10-30 Vdc	PNP/NPN	4 wires								
	NO-NC	4 WIICS	order No.							
10-30 Vdc	PNP	3 wires								
	NO		order No.							
10-30 Vdc	PNP NC	3 wires	and an Na							
			order No.							
10-30 Vdc	NPN NO	3 wires	order No.							
	NPN		order No.							
10-30 Vdc	NC	3 wires	order No.							
	PNP		order No.							
10-30 Vdc	NO-NC	3 wires	order No.							
	NPN									
10-30 Vdc	NO-NC	3 wires	order No.							
10-30 Vdc	NO-NC	2 wires	order No.							
20.250.1//1/	NO	2								
20-250 Vac/Vdc	NO	2 wires	order No.							
20-250 Vac/Vdc	NC	2 wires								
20-250 Vac/ Vuc	NC	2 wires	order No.							
20-250 Vac/Vdc	NO	2/3 Miros	2/3 wires	2/3wires	2/3wires					
20-250 Vac/ Vac	NO	2/ 5 101125	order No.							
Analog 0-20mA	_	3 wires	3 wires	3 wires						
111105 0 201111			order No.							
5+24 Vdc	NAMUR	2 wires		IS-12-A20-S2	IS-12-A20-03	IS-12-C20-S2	IS-12-C20-03			
			order No.	95B064180	95B064160	95B064190	95B064170			
Newsia el Melteres						77.01/00	77.0100			
Nominal Voltage				7,7 + 9 V DC < 10%						
Residual Ripple				< 10%	< 10%	< 10%	< 10%			
Hysteresis Max. Output Curre	nt			< 3 mA (metal absent)						
Min. Output Curre				< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal absent)			
Residual Current				< This inetal presency	< This (neta) presence		< THIA (metal present)			
Voltage Drop										
Operation Led				Yellow	Yellow	Yellow	Yellow			
Switching Freque	ncv			2000 Hz	2000 Hz	2000 Hz	2000 Hz			
Start Up Delay										
Repeability				< 3%	< 3%	< 3%	< 3%			
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)			
Electric Protection	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads			
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)			
Protection Degree				IP67	IP67	IP67	IP67			
Cable Length					2 m		2 m			
Cable Section					2 x 0,25 mm^2		2 x 0,25 mm^2			
Housing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel	Stainless-Steel			
Weight - Cable Out	tput				110 g		110 g			
W							-			

66 **ODATALOGIC** 

Weight - M12 Connector Output

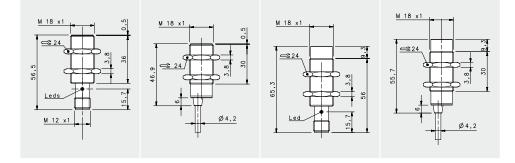
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60 g

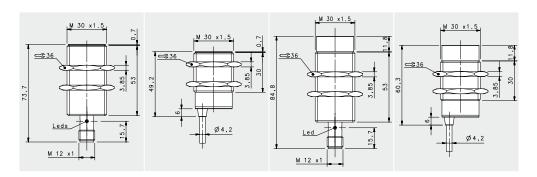
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				NAMUR			
				FLUSH		NON FLUSH	
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCH	HING DISTAN	CE		5mm	5mm	8mm	8mm
10-30 Vdc	PNP/NPN NO-NC	4 wires					
	PNP		order No.				
10-30 Vdc	NO	3 wires	order No.				
10-30 Vdc	PNP	3 wires					
10-30 Vac	NC	3 wires	order No.				
10-30 Vdc	NPN	3 wires					
	NO		order No.				
10-30 Vdc	NPN NC	3 wires	order No.				
	PNP		order No.				
10-30 Vdc	NO-NC	3 wires	order No.				
10, 20,1/4-	NPN	Duringe					
10-30 Vdc	NO-NC	3 wires	order No.				
10-30 Vdc	NO-NC	2 wires					
10 30 140	NO NC	2 WIICS	order No.				
20-250 Vac/Vdc	NO	2 wires					
	-		order No.				
20-250 Vac/Vdc	NC	2 wires	ordor No				
			order No.				
20-250 Vac/Vdc	NO	2/3 wires	order No.				
			order No.				
Analog 0-20mA	-	3 wires	order No.				
5+24 Vdc	NAMUR	2 wires		IS-18-A20-S2	IS-18-A20-03	IS-18-C20-S2	IS-18-C20-03
5+24 Vuc	NAMOR	2 wires	order No.	95B064380	95B064360	95B064390	95B064370
Newinglyaltage				77.0100			77.01/00
Nominal Voltage				7,7 + 9 V DC < 10%			
Residual Ripple				< 10%	< 10%	< 10%	< 10%
Hysteresis Max. Output Curre	nt			< 3 mA (metal absent)			
Min. Output Curre				< 1 mA (metal present)	< 1 mA (metal absent)	< 1 mA (metal absent)	< 1 mA (metal absent)
Residual Current	:110			< T IIIA (Intetal present)	< This (metal present)		
Voltage Drop							
Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Freque	ncv			1000 Hz	1000 Hz	1000 Hz	1000 Hz
Start Up Delay							
Repeability				< 3%	< 3%	< 3%	< 3%
Short Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads			
Temperature Limit	:			(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
Protection Degree				IP67	IP67	IP67	IP67
Cable Length					2 m		2 m
Cable Section					2 x 0,25 mm <sup>2</sup>		2 x 0,25 mm <sup>2</sup>
Housing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel	Stainless-Steel
Weight - Cable Ou	tput				145g		145g
Weight - M12 Connector Output				95g		95g	





				NAMUR			
				FLUSH		NON FLUSH	
				M12 conn	cable	M12 conn	cable
NOMINAL SWITCHING DISTANCE				10mm	10mm	15mm	15mm
10-30 Vdc	PNP/NPN	4 wires					
	NO-NC		order No.				
10-30 Vdc	NU	3 wires					
			order No.				
10-30 Vdc	PNP NC	3 wires	order No.				
	NPN	3 wires	order No.				
10-30 Vdc	NO		order No.				
	NPN		order No.				
10-30 Vdc	NC	3 wires	order No.				
	PNP						
10-30 Vdc	NO-NC	3 wires	order No.				
10 20 1/4-	NPN	Quines					
10-30 Vdc	NO-NC	3 wires	order No.				
10-30 Vdc	NO-NC	2 wires					
10-30 Vuc	NO-NC	2 WIIES	order No.				
20-250 Vac/Vdc	NO	2 wires					
	110	2 101105	order No.				
20-250 Vac/Vdc	NC	2 wires					
			order No.				
20-250 Vac/Vdc	NO	2/3wires					
			order No.				
Analog 0-20mA	-	3 wires	andan Na				
			order No.	 IS-30-A20-S2	 IS-30-A20-03	 IS-30-C20-S2	 IS-30-C20-03
5+24 Vdc	NAMUR	2 wires	order No.	95B064630	95B064610	95B064640	95B064620
			order No.	555004050	555004010	555004040	555004020
Nominal Voltage				7,7 + 9 V DC			
Residual Ripple				< 10%	< 10%	< 10%	< 10%
lysteresis				< 10%	< 10%	< 10%	< 10%
Max. Output Curre	nt			< 3 mA (metal absent)			
, Min. Output Curre				< 1 mA (metal present)			
Residual Current							
/oltage Drop							
Operation Led				Yellow	Yellow	Yellow	Yellow
Switching Freque	ncy			500 Hz	500 Hz	500 Hz	500 Hz
Start Up Delay							
Repeability				< 3%	< 3%	< 3%	< 3%
Short Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads			
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
Protection Degree				IP67	IP67	IP67	IP67
Cable Length					2 m		2 m
Cable Section					2 x 0,25 mm²		2 x 0,25 mm²
Housing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel	Stainless-Steel
Weight - Cable Output					210 g		210 g
Weight - M12 Connector Output				170 g		170 g	

#### SQUARE

PBT (resin) or Nickel-plated Brass housing Operating distance 1.5 ... 15 mm 40x40 mm or 8x8 mm dimension Cable, M8 connector or Terminal Block 2 or 3 wires PNP, PNP/NPN, NO, NC, NO/NC IP67

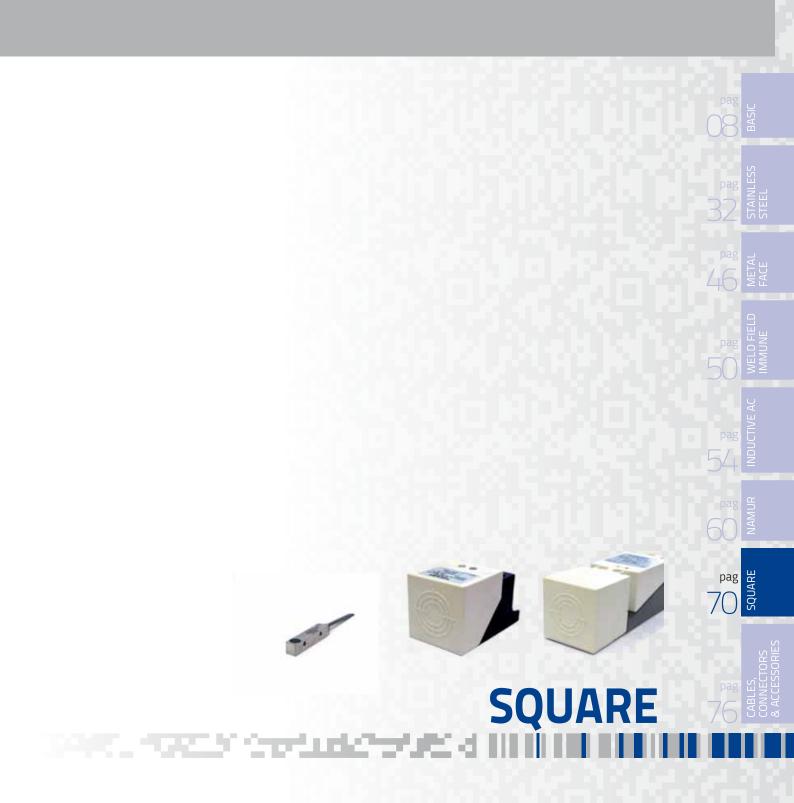
"M12/18/30 models are Diversey and ECOLAB tested"



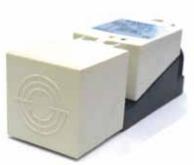
M12/18/30 FLUSH models are ATEX certified II 3G EX nA II T6 II 3D EX tD A22 IP67 T85°C

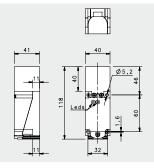
70 ODATALOGIC

IIIII B SPECIAL STOCKED



#### SOUARE 40X40



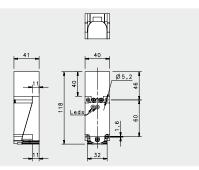


- 10 TV				40X40		
			FLUSH	NON FLUSH		
				 Terminal Block	Terminal Block	
NOMINAL SWITCH	HING DISTAN	CE		15 mm	30mm	
40.0014-	PNP/NPN	4 wires				
10-30 Vdc	NO-NC		order No.			
10-30 Vdc			order No.			
			order No.			
10-30 Vdc			order No.			
	NPN					
10-30 Vdc	Vdc NO 3 wir		order No.			
10-30 Vdc	NPN	3 wires				
	NC		order No.			
10-30 Vdc	PNP	3 wires		IS-40-W5-S3	IS-40-Y5-S3	
	NO-NC		order No.	958065240	95B065280	
10-30 Vdc	NPN NO-NC	3 wires		IS-40-W6-S3	IS-40-Y6-S3	
	NO-NC		order No.	95B065230	95B065270	
10-30 Vdc	NO-NC	2 wires	audau Na			
			order No.			
20-250 Vac/Vdc	NO	2 wires	order No.			
			order No.			
20-250 Vac/Vdc NC	NC	2 wires	order No.			
		2/3 wires				
20-250 Vac/Vdc	NO		order No.			
Analog 0-20mA	-	3 wires	order No.			
5.2/1/4-		2				
5+24 Vdc	NAMUR	2 wires	order No.			
Nominal Voltage				10-30 Vdc	10-30 Vdc	
Residual Ripple				< 10%	< 10%	
Hysteresis				< 15% (Sr)	< 15% (Sr)	
Max. Output Curre	nt			200mA	200mA	
Min. Output Curre						
Residual Current				< 0,01 mA	< 0,01 mA	
Voltage Drop				< 1,5V	< 1,5V	
Operation Led				YES	YES	
Switching Freque	ncy			100 Hz	100 Hz	
Start Up Delay						
Repeability				< 1.0% (Sr)	< 1.0% (Sr)	
Short Circuit Protection				Present (self-resetting)	Present (self-resetting)	
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	
Temperature Limit Protection Degree				(-25+75C) IP67	(-25 +75 °C) IP67	
Cable Length						
Cable Section						
Housing Material				PBT ( RESIN)	PBT ( RESIN)	
Weight - Cable Out	tout					
Weight - Cable Output				262 g	262 g	

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Weight - M12 Connector Output

262g

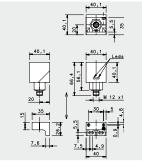


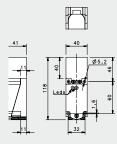
### 40X40 VAC/VDC

40X40 VAC/VDC					
FLUSH	NON FLUSH				
Terminal Block	Terminal Block				
15 mm	30mm				
S-40-W7-S3	IS-40-Y7-S3				
95B065250	95B065290				
IS-40-W8-S3	IS-40-Y8-S3				
95B065260	95B065300				
20-250 VAC/Vdc, 50-60 Hz	20-250 VAC/Vdc, 50-60 Hz				
< 10%	< 10%				
< 15% (Sr)	< 15% (Sr)				
200mA	200mA				
< 2,5mA	< 2,5mA				
< 10Vac ; < 8Vdc	< 10Vac ; < 8Vdc				
YES 25 Hz AC; 40 Hz DC	YES 25 Hz AC; 40 Hz DC				
25 H2 AC; 40 H2 DC	25 H2 AC; 40 H2 DC				
<ul><li></li><li>&lt; 1.0% (Sr)</li></ul>	< 1.0% (Sr)				
Present (self-resetting)	Present (self-resetting)				
Against polarity reversal inductive loads	Against polarity reversal inductive loads				
(-25 +70 °C) IP67	(-25 +70 °C) IP67				
IP67	IP67				
PBT ( RESIN)	PBT ( RESIN)				
262g	262g				

# SOUARE 40X40







SHORT	ANALOG OUTPUT
FLUSH	NON FLUSH

OMINAL SWITCH	ING DISTANC	.E		15mm	7-20mm				
0-30 Vdc	PNP/NPN NO-NC	4 wires	order No.						
	PNP		order No.						
0-30 Vdc	NO	3 wires	order No.						
	-		order No.						
0-30 Vdc	PNP NC	3 wires	andar Na						
			order No.						
0-30 Vdc	NPN NO	3 wires	and an Ma						
			order No.						
0-30 Vdc	NPN NC	3 wires							
			order No.						
0-30 Vdc	PNP	3 wires		IS-40-X5-S2					
	NO-NC		order No.	95B065320					
0-30 Vdc	NPN	3 wires		IS-40-X6-52					
	NO-NC		order No.	95B065310					
0-30 Vdc	NO-NC	2 wires							
5 55 Vac			order No.						
0-250 Vac/Vdc	NO	2 wires							
0-200 vac/ vac	NO	2 WIIES	order No.						
0-250 Vac/Vdc	NC 2.	NC 2 wires							
	NC		2 wires	c zwires	order No.				
0-250 Vac/Vdc	NO	2/2 :	2/2 wires	2/3 wires	2/2 wires	2/214			
0-250 Vac7 Vuc	NU	Z/ 3 WIRES	order No.						
		2			IS-40-C11-S3				
nalog 0-20mA	-	3 wires	order No.		95B065330				
+24 Vdc	NAMUR	2 wires	order No.						
Iominal Voltage				10-30 Vdc	18-30 Vdc				
esidual Ripple				< 10%	< 10%				
lysteresis				< 15% (Sr)	< 10% (Sr)				
/Iax. Output Curre	nt			200mA	0-20mA/200 Max.				
lin. Output Curre									
esidual Current				< 0,01mA					
oltage Drop				< 1,5V					
peration Led				YES					
witching Freque	ncv			100 Hz	100 Hz				
tart Up Delay	iicy								
epeability				< 1.0% (Sr)	5% (Sr) Temperature Drift				
hort Circuit Prote	action			Present (self-resetting)	Present (self-resetting)				
	ection			-	-				
lectric Protection	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads				
emperature Limit				(-25 +70 °C)	(-25 +70 °C)				
rotection Degree				IP67	IP67				
able Length									
able Section									
lousing Material				PBT ( RESIN)	PBT ( RESIN)				
/eight - Cable Out	tput								
Veight - M12 Con				170 g	242g				

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## **SOUARE 8X8**



Electric Protection

Temperature Limit Protection Degree

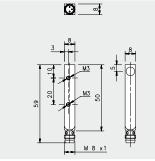
Cable Length

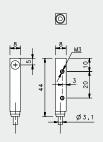
Cable Section

Housing Material

Weight - Cable Output

Weight - M12 Connector Output





				SH	ORT
				FL	USH
				M8 conn	cable
NOMINAL SWITCH	HING DISTAN	ICE		1,5mm	1,5mm
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.		
10-30 Vdc	PNP NO	3 wires	order No.	IS-88-Q1-51 95B060840	IS-88-Q1-03 95B060830
10-30 Vdc	PNP NC	3 wires	order No.		
10-30 Vdc	NPN NO	3 wires	order No.		
10-30 Vdc	NPN NC	3 wires	order No.		
10-30 Vdc	PNP NO-NC	3 wires	order No.		
10-30 Vdc	NPN NO-NC	3 wires	order No.		
10-30 Vdc	NO-NC	2 wires	order No.		
20-250 Vac/Vdc	NO	2 wires	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	order No.		
5+24 Vdc	NAMUR	2 wires	order No.		
			order No.		
Nominal Voltage				10-30 Vdc	10-30 Vdc
Residual Ripple				< 10%	< 10%
Hysteresis				< 10% (Sr)	< 10% (Sr)
Max. Output Curre				200mA	200mA
Min. Output Curre					
Residual Current					
Voltage Drop				< 1,2V	< 1,2V
Operation Led				Yellow	Yellow
Switching Freque	ency			500 Hz	500 Hz
Start Up Delay				75 ms	75 ms
Repeability				< 3%	< 3%
Short Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)

SQUARE

### ODATALOGIC 75

Against polarity reversal

inductive loads

(-25 ... +70 °C)

IP67

2 m

3x0,14mm²

nickel-plated brass 80 g

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Against polarity reversal

inductive loads

(-25 ... +70 °C)

IP67

---

----

nickel-plated brass

----

40 g

# **CABLES, CONNECTORS & ACCESSORIES**

2,3,4 wires M12, M8 connector Axial or radial 90° Shielded or unshielded Double key A.C. cable 3, 5, 7, 10, 15, 25m cable

"M12/18/30 models are Diversey and ECOLAB tested"



M12/18/30 FLUSH models are ATEX certified II 3G EX nA II T6 II 3D EX tD A22 IP67 T85°C

76 **ODATALOGIC** 

IIIIII S SPECIAL STOP 12.20

# CABLES, CONNECTORS & ACCESSORIES

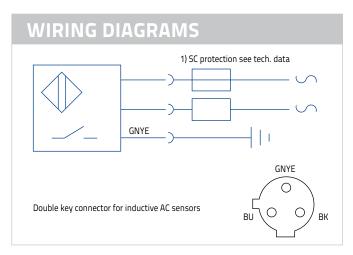
CABLES, CONNECTORS & ACCESSORIES

pag

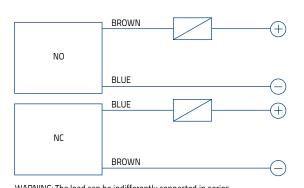
# **CABLES. CONNECTORS & ACCESSORIES**

### 2-3 POLES - AC CABLES

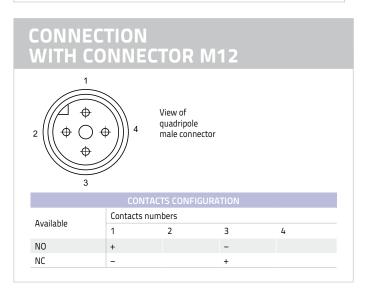
CONNECTOR	ТҮРЕ	ORIENTATION	LENGTH	MATERIAL	CODING	ORDER No.
M45	M12 "shielded AC sensors"	axial, double key	2m	PVC	CS-A1-21-R-03	95A252880
IVI 12			5m		CS-A1-21-R-05	95A252890

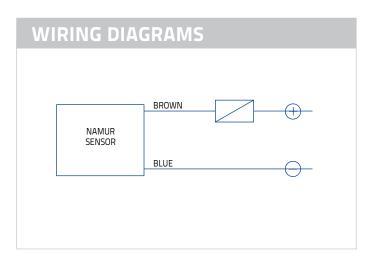


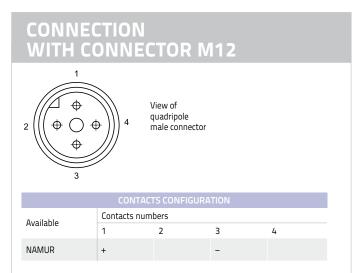
### WIRING DIAGRAMS

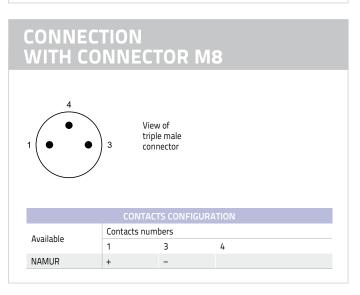


WARNING: The load can be indifferently connected in series to the blue wire or to the brown wire to simulate NPN or PNP functionning logic.





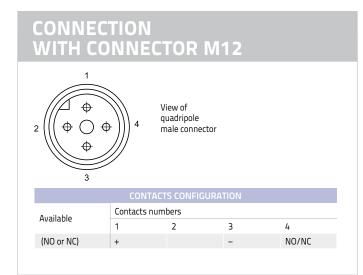


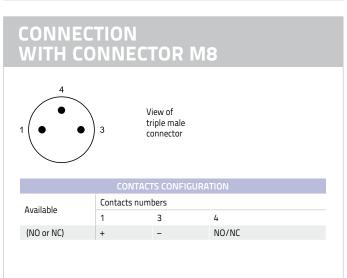


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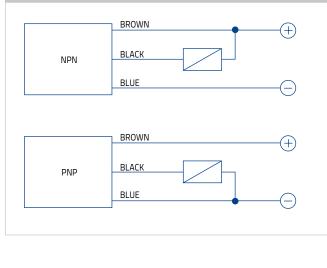
### 3 POLES

CONNECTOR	TYPE	ORIENTATION	LENGTH	MATERIAL	CODING	ORDER No.
			3m		CS-A1-01-G-03	95A251290
		avial	5m		CS-A1-01-G-05	95A251300
		axial	7m		CS-A1-01-G-07	95A251320
			10m		CS-A1-01-G-10	95A251340
M12	shielded		3m	PVC	CS-A2-01-G-03	95A251200
IVI I Z	snielded	radial 90°	5m	PVC	CS-A2-01-G-05	95A251210
		raulai 90	7m		CS-A2-01-G-07	95A251220
			10m		CS-A2-01-G-10	95A251230
		radial 90° + LED	5m		CS-A2-11-G-05	95A251310
		raulai 90 + LED	10m		CS-A2-11-G-10	95A251330
			3m	PVC	CS-B1-01-G-03	95A251490
			5m	PVC	CS-B1-01-G-05	95A251510
		axial	2m	PUR	CS-B1-01-R-02	95A251580
M8	shielded		5m	PUR	CS-B1-01-R-05	95A251600
IVIO	smelded		3m	PVC	CS-B2-01-G-03	95A251500
		radial 90°	5m	PVL	CS-B2-01-G-05	95A251520
		raulai 90	2m	PUR	CS-B2-01-R-02	95A251590
			5m	PUK	CS-B2-01-R-05	95A251610





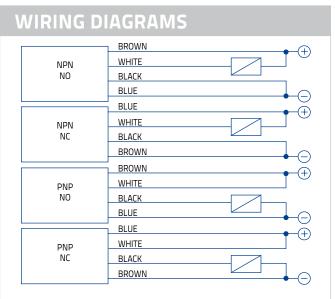
### WIRING DIAGRAMS



# **CABLES, CONNECTORS & ACCESSORIES**

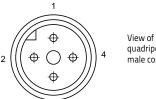
### 4 POLES

CONNECTOR	TYPE	ORIENTATION	LENGTH	MATERIAL	CODING	ORDER No.
			3m		CS-A1-02-G-03	95A251380
			5m	DVC	CS-A1-02-G-05	95A251270
			7m	PVC	CS-A1-02-G-07	95A251280
		axial	10m	_	CS-A1-02-G-10	95A251390
			2 m	DUD	CS-A1-02-R-02	95A251540
			5m	PUR	CS-A1-02-R-05	95A251560
			3m		CS-A2-02-G-03	95A251360
	shielded		5m		CS-A2-02-G-05	95A251240
		11 1 000	7m	PVC	CS-A2-02-G-07	95A251245
		radial 90°	10m		CS-A2-02-G-10	95A251260
M12			2 m	DUD	CS-A2-02-R-02	95A251550
			5m	PUR	CS-A2-02-R-05	95A251570
			3m		CS-A2-12-G-03	95A251400
		radial 90° + LED	5m	PVC	CS-A2-12-G-05	95A251350
			10m		CS-A2-12-G-10	95A251370
			3m	PVC	CS-A1-02-U-03	95ASE1120
		axial	5m		CS-A1-02-U-05	95ASE1130
	"unshielded UL2464"		10m		CS-A1-02-U-10	95ASE1140
	012404		15m	_	CS-A1-02-U-15	95ASE1150
			25m	_	CS-A1-02-U-25	95ASE1160
			3m		CS-B1-02-G-03	95A251420
			5m	PVC	CS-B1-02-G-05	95A251430
		- vial	7m		CS-B1-02-G-07	95A251440
		axial	10m		CS-B1-02-G-10	95A251480
			2 m	DUD	CS-B1-02-R-02	95A251620
	-6-1-1-4		5m	PUR	CS-B1-02-R-05	95A251640
M8	shielded		3m		CS-B2-02-G-03	95A251450
			5m	DVC	CS-B2-02-G-05	95A251460
			7m	PVC	CS-B2-02-G-07	95A251470
		radial 90°	10m		CS-B2-02-G-10	95A251530
			2 m	DUD	CS-B2-02-R-02	95A251630
			5m	PUR	CS-B2-02-R-05	95A251650



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

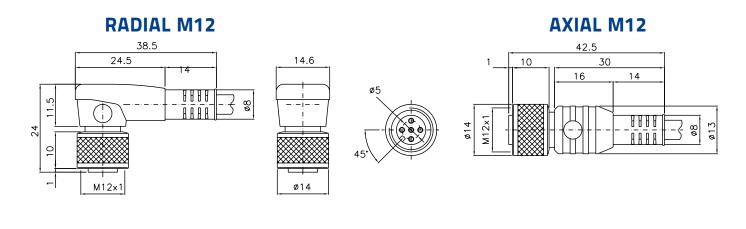


quadripole male connector

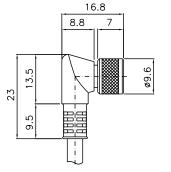
CONTACTS CONFIGURATION					
Output	Contacts num	bers			
Output	1	2	3	4	
NPN NO	+	NO	-	-	
NPN NC	-	NC	+	-	
PNP NO	+	+	-	NO	
PNP NC	-	+	+	NC	

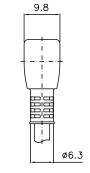
CONNECTOR

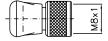
CONNECTOR	TYPE	ORIENTATION	LENGTH	MATERIAL	CODING	ORDER No.
M45	M12 connector	axial	FEMALE	PVC, gold-nickel-plated	CS-A1-02-B-NC	G5085002
M12		radial		FEMALE brass	CS-A2-02-B-NC	G5085003



### **RADIAL M8**



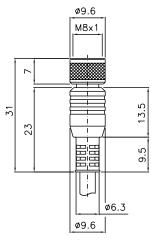




# 



### **AXIAL M8**

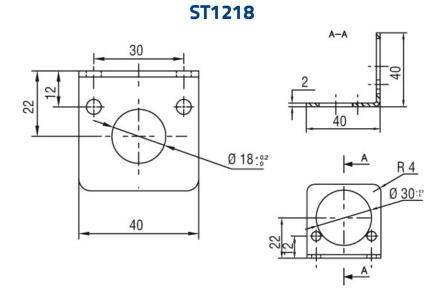


CABLES, CONNECTORS & ACCESSORIES

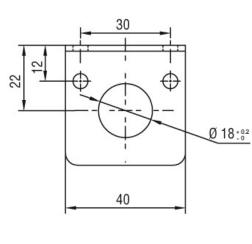
# **CABLES. CONNECTORS & ACCESSORIES**

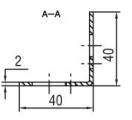
### ACCESSORIES SELECTION AND ORDER INFORMATION

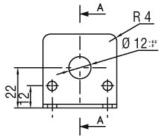
CONNECTOR	ТҮРЕ	MATERIAL	CDOING	ORDER No.
M12	fixing bracket	Stainless Steel	ST1218	95ACC3340
M18	fixing bracket	Stainless Steel	ST1218	95ACC3340
M30	fixing bracket	Stainless Steel	ST1830	95ACC3350



ST1830







# **CABLES, CONNECTORS & ACCESSORIES**

MODEL SELECTION AND ORDER INFORMATION

	M4. M	5, M6,5	
SENSOR	Order No.	Category	Pag.
IS-04-A1-03	95B061011	STAINLESS STEEL	34
IS-04-A3-03	95B061001	STAINLESS STEEL	34
IS-05-A1-03	95B061041	BASIC	35
IS-05-A1-S1	95B061051	BASIC	35
IS-05-A20-03	95B065410	NAMUR	62
IS-05-A3-03	95B061021	BASIC	35
IS-05-A3-S1	95B061031	BASIC	35
IS-05-A4-03	95B065420	BASIC	35
IS-05-E3-03	95B065400	BASIC	35
IS-65-A1-03	95B064730	BASIC	10
IS-65-A1-S1	95B066050	BASIC	10
IS-65-A20-03	95B066290	NAMUR	63
IS-65-A20-S1	95B066310	NAMUR	63
IS-65-A2-03	95B064770	BASIC	10
IS-65-A2-S1	95B066090	BASIC	10
IS-65-A3-03	95B064650	BASIC	10
IS-65-A3-S1	95B064970	BASIC	10
IS-65-A4-03	95B064690	BASIC	10
IS-65-A4-05	95B064090 95B066010	BASIC	10
IS-65-B1-03	95B066010 95B064750	BASIC	10
	95B064750 95B066070		
IS-65-B1-S1		BASIC	11
IS-65-B2-03	95B064790	BASIC	11
IS-65-B2-S1	95B066110	BASIC	11
IS-65-B3-03	95B064670	BASIC	11
IS-65-B3-S1	95B064990	BASIC	11
IS-65-B4-03	95B064710	BASIC	11
IS-65-B4-S1	95B066030	BASIC	11
IS-65-C1-03	95B064890	BASIC	10
IS-65-C1-S1	95B066210	BASIC	10
IS-65-C20-03	95B066300	NAMUR	63
IS-65-C20-S1	95B066320	NAMUR	63
IS-65-C2-03	95B064930	BASIC	10
IS-65-C2-S1	95B066250	BASIC	10
IS-65-C3-03	95B064810	BASIC	10
IS-65-C3-S1	95B066130	BASIC	10
IS-65-C4-03	95B064850	BASIC	10
IS-65-C4-S1	95B066170	BASIC	10
IS-65-D1-03	95B064910	BASIC	11
IS-65-D1-S1	95B066230	BASIC	11
IS-65-D2-03	95B064950	BASIC	11
IS-65-D2-S1	95B066270	BASIC	11
IS-65-D3-03	95B064830	BASIC	11
IS-65-D3-S1	95B066150	BASIC	11
IS-65-D4-03	95B064870	BASIC	11
IS-65-D4-S1	95B066190	BASIC	11
IS-65-G1-03	95B064740	BASIC	12
IS-65-G1-S1	95B066060	BASIC	12
IS-65-G2-03	95B064780	BASIC	12
IS-65-G2-S1	95B066100	BASIC	12
IS-65-G3-03	95B064660	BASIC	12
IS-65-G3-S1	95B064980	BASIC	12
IS-65-G4-03	95B064700	BASIC	12
IS-65-G4-S1	95B066020	BASIC	12
IS-65-H1-03	95B064900	BASIC	13
IS-65-H1-S1	95B066220	BASIC	13
IS-65-H2-03	95B064940	BASIC	13
IS-65-H2-S1	95B066260	BASIC	13
IS-65-H3-03	95B064820	BASIC	13
IS-65-H3-S1	95B066140	BASIC	13

	05000/000	DACIC	42
IS-65-H4-03 IS-65-H4-S1	95B064860	BASIC	13
IS-65-H4-51 IS-65-M1-03	95B066180 95B064760	BASIC STAINLESS STEEL	13
			36
IS-65-M1-S1 IS-65-M2-03	95B066080 95B064800	STAINLESS STEEL	36
			36
IS-65-M2-S1	95B066120	STAINLESS STEEL	36
IS-65-M3-03	95B064680	STAINLESS STEEL	36
IS-65-M3-S1	95B066000	STAINLESS STEEL	36
IS-65-M4-03	95B064720	STAINLESS STEEL	36
IS-65-M4-S1	95B066040	STAINLESS STEEL	36
IS-65-N1-03	95B064920		37
IS-65-N1-S1	95B066240	STAINLESS STEEL	37
IS-65-N2-03	95B064960	STAINLESS STEEL	37
IS-65-N2-S1	95B066280	STAINLESS STEEL	37
IS-65-N3-03	95B064840	STAINLESS STEEL	37
IS-65-N3-S1	95B066160	STAINLESS STEEL	37
IS-65-N4-03	95B064880	STAINLESS STEEL	37
IS-65-N4-S1	95B066200	STAINLESS STEEL	37
		<b>И</b> 8	
SENSOR	Order No.		Dag
IS-08-A1-03	95B061121	Category BASIC	Pag. 14
IS-08-A1-51	95B061121 95B061141	BASIC	14
IS-08-A1-S1	95B061131	BASIC	14
IS-08-A1-32	95B06740	NAMUR	64
IS-08-A20-03			
	95B066760	NAMUR	64
IS-08-A20-S1	95B066780	NAMUR	64
IS-08-A2-03	95B061151	BASIC	14
IS-08-A2-S1	95B061171	BASIC	14
IS-08-A2-S2	95B061161	BASIC	14
IS-08-A3-03	95B061061	BASIC	14
IS-08-A3-S1	95B061081	BASIC	14
IS-08-A3-S2	95B061071	BASIC	14
IS-08-A4-03	95B061091	BASIC	14
IS-08-A4-S1	95B061111	BASIC	14
IS-08-A4-S2	95B061101	BASIC	14
IS-08-B1-03	95B061921	BASIC	16
IS-08-B1-S1	95B066860 95B066590	BASIC	16
IS-08-B1-S2	352000330	BASIC	16
IS-08-B2-03 IS-08-B2-S1	95B061951	BASIC	16
	95B066890	BASIC	16
IS-08-B2-S2	95B066620	BASIC	16
IS-08-B3-03 IS-08-B3-S1	95B061861 95B066810	BASIC BASIC	16 16
IS-08-B3-S1	95B066530	BASIC	16
IS-08-B4-03		BASIC	
	95B061891 95B066830		16 16
IS-08-B4-S1		BASIC	
IS-08-B4-S2	95B066560	BASIC	16
IS-08-C1-03	95B061521	BASIC	15
	0ED061E/.1	DACIC	
IS-08-C1-S1	95B061541	BASIC	15
IS-08-C1-S2	95B061531	BASIC	15
IS-08-C1-S2 IS-08-C20-03	95B061531 95B066750	BASIC	15 65
IS-08-C1-S2 IS-08-C20-03 IS-08-C20-S1	95B061531 95B066750 95B066790	BASIC NAMUR NAMUR	15 65 65
IS-08-C1-S2 IS-08-C20-03 IS-08-C20-S1 IS-08-C20-S2	95B061531 95B066750 95B066790 95B066770	BASIC NAMUR NAMUR NAMUR	15 65 65 65
IS-08-C1-S2 IS-08-C20-03 IS-08-C20-S1 IS-08-C20-S2 IS-08-C2-03	95B061531 95B066750 95B066790 95B066770 95B061551	BASIC NAMUR NAMUR NAMUR BASIC	15 65 65 65 15
IS-08-C1-S2 IS-08-C20-03 IS-08-C20-S1 IS-08-C20-S2 IS-08-C2-03 IS-08-C2-03	958061531 958066750 958066790 958066770 958061551 958061571	BASIC NAMUR NAMUR NAMUR BASIC BASIC	15 65 65 15 15
IS-08-C1-S2 IS-08-C20-03 IS-08-C20-S1 IS-08-C20-S2 IS-08-C2-03 IS-08-C2-03 IS-08-C2-S1 IS-08-C2-S2	958061531 958066750 958066790 958066770 958061551 958061571 958061561	BASIC NAMUR NAMUR BASIC BASIC BASIC	15 65 65 15 15 15
IS-08-C1-S2 IS-08-C20-03 IS-08-C20-S1 IS-08-C20-S2 IS-08-C2-03 IS-08-C2-03 IS-08-C2-S1 IS-08-C2-S2 IS-08-C2-S2	958061531 958066750 958066790 958066770 958061551 958061551 958061561 958066410	BASIC NAMUR NAMUR BASIC BASIC BASIC BASIC	15 65 65 15 15 15 15 15
IS-08-C1-S2 IS-08-C20-03 IS-08-C20-S1 IS-08-C20-S2 IS-08-C2-03 IS-08-C2-03 IS-08-C2-S1 IS-08-C2-S2 IS-08-C3-03 IS-08-C3-S1	958061531 958066750 958066790 958066770 958061551 958061571 958061561 958066410 958061481	BASIC NAMUR NAMUR BASIC BASIC BASIC BASIC BASIC BASIC	15 65 65 15 15 15 15 15 15 15
IS-08-C1-S2 IS-08-C20-03 IS-08-C20-S1 IS-08-C20-S2 IS-08-C2-03 IS-08-C2-03 IS-08-C2-S1 IS-08-C2-S2 IS-08-C2-S2	958061531 958066750 958066790 958066770 958061551 958061551 958061561 958066410	BASIC NAMUR NAMUR BASIC BASIC BASIC BASIC	15 65 65 15 15 15 15 15

IS-08-C4-S1	95B061511	BASIC	15		M1	12
IS-08-C4-S2	95B061501	BASIC	15	SENSOR	Order No.	Category
S-08-D1-03	95B062321	BASIC	17	IS-12-A0-03	95B064030	BASIC
S-08-D1-S1	95B066970	BASIC	17	IS-12-A0-S2	95B064060	BASIC
S-08-D1-S2	95B066700	BASIC	17	IS-12-A1-03	95B061241	BASIC
S-08-D2-03	95B062351	BASIC	17	IS-12-A1-S2	95B061251	BASIC
S-08-D2-S1	95B067000	BASIC	17	IS-12-A15-03	95B060680	INDUCTIVE AC
5-08-D2-S2	95B066720	BASIC	17	IS-12-A15-S2	95B060690	INDUCTIVE AC
5-08-D3-03	95B066430	BASIC	17	IS-12-A20-03	95B064160	NAMUR
S-08-D3-S1	95B066920	BASIC	17	IS-12-A20-S2	95B064180	NAMUR
S-08-D3-S2	95B066650	BASIC	17	IS-12-A2-03	95B061271	BASIC
S-08-D4-03	95B062291	BASIC	17	IS-12-A2-S2	95B061281	BASIC
S-08-D4-S1	95B066940	BASIC	17	IS-12-A3-03	95B061181	BASIC
5-08-D4-S2	95B066670	BASIC	17	IS-12-A3-S2	95B061191	BASIC
-08-G1-03	95B066370	BASIC	18	IS-12-A4-03	95B061211	BASIC
-08-G1-S1	95B066850	BASIC	18	IS-12-A4-S2	95B061221	BASIC
-08-G1-S2	95B066580	BASIC	18	IS-12-A9-03	95B064100	BASIC
08-G2-03	95B066390	BASIC	18	IS-12-A9-S2	95B063931	BASIC
08-G2-S1	95B066880	BASIC	18	IS-12-B0-03	95B064040	BASIC
08-G2-S2	95B066610	BASIC	18	IS-12-B1-03	95B062041	BASIC
-08-G3-03	95B066330	BASIC	18	IS-12-B1-S2	95B062051	BASIC
08-G3-S1	95B066800	BASIC	18	IS-12-B2-03	95B062071	BASIC
08-G3-S2	95B066520	BASIC	18	IS-12-B2-S2	95B062081	BASIC
08-G4-03	95B066350	BASIC	18	IS-12-B3-03	95B061981	BASIC
08-G4-S1	95B063131	BASIC	18	IS-12-B3-S2	95B061991	BASIC
08-G4-S1	95B066550	BASIC	18	IS-12-B3-32	95B062011	BASIC
08-H1-03	95B066480	BASIC	19	IS-12-B4-S2	95B062021	BASIC
08-H1-S1	95B066960	BASIC	19	IS-12-C0-S2	95B064080	BASIC
08-H1-S2	95B066690	BASIC	19	IS-12-C1-03	95B061641	BASIC
08-H2-03	95B066500	BASIC	19	IS-12-C1-S2	95B061651	BASIC
08-H2-S1	95B066990	BASIC	19	IS-12-C20-03	95B064170	NAMUR
08-H2-S2	95B063301	BASIC	19	IS-12-C20-S2	95B064190	NAMUR
08-H3-03	95B066420	BASIC	19	IS-12-C2-03	95B061671	BASIC
08-H3-S1	95B066910	BASIC	19	IS-12-C2-S2	95B061681	BASIC
08-H3-S2	95B066640	BASIC	19	IS-12-C3-03	95B061581	BASIC
08-H4-03	95B066460	BASIC	19	IS-12-C3-S2	95B061591	BASIC
08-H4-S1	95B063251	BASIC	19	IS-12-C4-03	95B061611	BASIC
08-H4-S2	95B063241	BASIC	19	IS-12-C4-S2	95B061621	BASIC
08-M1-03	95B066380	STAINLESS STEEL	38	IS-12-C9-03	95B064110	BASIC
08-M1-S1	95B066870	STAINLESS STEEL	38	IS-12-C9-S2	95B064140	BASIC
08-M1-S2	95B066600	STAINLESS STEEL	38	IS-12-D1-03	95B062441	BASIC
08-M2-03	95B066400	STAINLESS STEEL	38	IS-12-D1-S2	95B062451	BASIC
08-M2-S1	95B066900	STAINLESS STEEL	38	IS-12-D2-03	95B062471	BASIC
08-M2-S2	95B066630	STAINLESS STEEL	38	IS-12-D2-S2	95B062481	BASIC
08-M3-03	95B066340	STAINLESS STEEL	38	IS-12-D3-03	95B062381	BASIC
08-M3-S1	95B066820	STAINLESS STEEL	38	IS-12-D3-S2	95B062391	BASIC
08-M3-S2	95B066540	STAINLESS STEEL	38	IS-12-D4-03	95B062411	BASIC
08-M4-03	95B066360	STAINLESS STEEL	38	IS-12-D4-S2	95B062421	BASIC
08-M4-S1	95B066840	STAINLESS STEEL	38	IS-12-E1-S2	95B067030	BASIC
08-M4-S2	95B066570	STAINLESS STEEL	38	IS-12-F1-S2	95B067020	BASIC
08-N1-03	95B066490	STAINLESS STEEL	39	IS-12-G0-03	95B063841	BASIC
08-N1-S1	95B066980	STAINLESS STEEL	39	IS-12-G0-S2	95B064070	BASIC
08-N1-S2	95B066710	STAINLESS STEEL	39	IS-12-G1-03	95B063361	BASIC
08-N2-03	95B066510	STAINLESS STEEL	39	IS-12-G1-S2	95B063371	BASIC
8-N2-S1	95B067010	STAINLESS STEEL	39	IS-12-G2-03	95B063381	BASIC
08-N2-S2	95B066730	STAINLESS STEEL	39	IS-12-G2-S2	95B063391	BASIC
08-N3-03	95B066440	STAINLESS STEEL	39	IS-12-G3-03	95B063321	BASIC
08-N3-S1	95B066930	STAINLESS STEEL	39	IS-12-G3-S2	95B063331	BASIC
08-N3-S2	95B066660	STAINLESS STEEL	39	IS-12-G4-03	95B063341	BASIC
08-N4-03	95B066470	STAINLESS STEEL	39	IS-12-G4-S2	95B063351	BASIC
08-N4-S1	95B066950	STAINLESS STEEL	39	IS-12-G5-03	95B062681	BASIC
08-N4-S2	95B066680	STAINLESS STEEL	39	IS-12-G5-S2	95B062691	BASIC
				IS-12-G6-03	95B062661	BASIC
				12-12-00-03	555002001	DAJIC

# **CABLES, CONNECTORS & ACCESSORIES**

IS-12-G9-03     IS-12-G9-S2       IS-12-H0-03     IS-12-H1-03       IS-12-H1-03     IS-12-H1-S2       IS-12-H2-03     IS-12-H2-S2       IS-12-H3-03     IS-12-H3-S2       IS-12-H3-S2     IS-12-H4-03       IS-12-H4-03     IS-12-H4-S2       IS-12-H5-S2     IS-12-H5-S2       IS-12-H5-S2     IS-12-H5-S2       IS-12-H5-S2     IS-12-H5-S2       IS-12-H5-S2     IS-12-H6-S3       IS-12-H6-S3     IS-12-H6-S2	958063801       958064130       958064050       958063401       958063441       958063451       958063471       958063401       958063401       958063401       958063401       958063401       958063401       958063401       958063401       958063401       958063401       958063401       958063401       958063401       958063401       958063401       958062701       958062701       958062701       958062701       958064120	BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC	23 23 23 23 23 23 23 23 23 23 23 23 23 2
IS-12-H0-03       IS-12-H0-S2         IS-12-H1-03       IS-12-H1-S2         IS-12-H1-S2       IS-12-H2-O3         IS-12-H2-O3       IS-12-H3-O3         IS-12-H3-O3       IS-12-H3-O3         IS-12-H3-O3       IS-12-H4-O3         IS-12-H4-O3       IS-12-H4-S2         IS-12-H5-O3       IS-12-H5-C3         IS-12-H5-C3       IS-12-H5-C3         IS-12-H6-O3       IS-12-H6-O3         IS-12-H6-O3       IS-12-H6-S2         IS-12-H9-O3       IS-12-H9-O3	958064050 958064090 958063441 958063451 958063451 958063471 958063401 958063421 958063421 958063431 958062761 958062771 958062771 958062751	BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC	23 23 23 23 23 23 23 23 23 23 23 23 23 2
IS-12-H0-S2       IS-12-H1-O3       IS-12-H1-S2       IS-12-H2-O3       IS-12-H3-O3       IS-12-H3-S2       IS-12-H4-O3       IS-12-H4-S2       IS-12-H5-O3       IS-12-H5-O3       IS-12-H5-O3       IS-12-H5-O3       IS-12-H5-S2       IS-12-H5-S2       IS-12-H5-S2       IS-12-H5-S2       IS-12-H6-O3       IS-12-H6-O3       IS-12-H6-S2	95B064090 95B063441 95B063451 95B063451 95B063451 95B063471 95B063401 95B063421 95B063431 95B062761 95B062771 95B062751	BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC	23 23 23 23 23 23 23 23 23 23 23 23 23 2
IS-12-H1-03       IS-12-H1-S2         IS-12-H2-03       IS-12-H2-S2         IS-12-H3-03       IS-12-H3-S2         IS-12-H3-S2       IS-12-H4-03         IS-12-H4-03       IS-12-H4-S2         IS-12-H5-03       IS-12-H5-S2         IS-12-H5-S2       IS-12-H5-S2         IS-12-H5-S2       IS-12-H6-03         IS-12-H6-93       IS-12-H6-S2         IS-12-H9-03       IS-12-H9-03	958063441         958063451         958063451         958063471         958063471         958063411         958063421         958063431         958062761         958062771         958062751	BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC	23 23 23 23 23 23 23 23 23 23 23 23 23
IS-12-H1-S2       IS-12-H2-O3       IS-12-H3-O3       IS-12-H3-S2       IS-12-H4-O3       IS-12-H4-S2       IS-12-H5-O3       IS-12-H5-O3       IS-12-H5-O3       IS-12-H5-S2       IS-12-H5-S2       IS-12-H5-S2       IS-12-H5-S2       IS-12-H5-O3       IS-12-H5-O3       IS-12-H5-O3       IS-12-H5-O3       IS-12-H6-O3       IS-12-H6-O3       IS-12-H6-S2       IS-12-H9-O3	958063451 958063461 958063471 958063471 958063411 958063421 958063431 958062761 958062771 958062771 958062751	BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC	23 23 23 23 23 23 23 23 23 23 23 23
IS-12-H2-03       IS-12-H2-S2         IS-12-H3-03       IS-12-H3-S2         IS-12-H4-03       IS-12-H4-S2         IS-12-H5-03       IS-12-H5-S2         IS-12-H5-S2       IS-12-H5-S2         IS-12-H6-03       IS-12-H6-S2         IS-12-H6-93       IS-12-H6-S2	958063461 958063471 958063401 958063411 958063421 958063431 958062761 958062771 958062741 958062751	BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC	23 23 23 23 23 23 23 23 23 23 23
IS-12-H2-S2       IS-12-H3-O3       IS-12-H4-O3       IS-12-H4-S2       IS-12-H5-O3       IS-12-H5-O3       IS-12-H5-S2       IS-12-H6-O3       IS-12-H6-O3       IS-12-H6-S2       IS-12-H6-S2	95B063471 95B063401 95B063401 95B063421 95B063431 95B062761 95B062771 95B062741 95B062751	BASIC BASIC BASIC BASIC BASIC BASIC BASIC BASIC	23 23 23 23 23 23 23 23 23
IS-12-H3-03       IS-12-H3-S2         IS-12-H4-03       IS-12-H4-S2         IS-12-H5-03       IS-12-H5-S2         IS-12-H5-S2       IS-12-H6-03         IS-12-H6-93       IS-12-H6-S2         IS-12-H9-03       IS-12-H9-03	958063401 958063411 958063421 958063431 958062761 958062771 958062741 958062751	BASIC BASIC BASIC BASIC BASIC BASIC BASIC	23 23 23 23 23 23 23 23
IS-12-H3-S2 IS-12-H4-03 IS-12-H4-S2 IS-12-H5-03 IS-12-H5-03 IS-12-H5-S2 IS-12-H6-03 IS-12-H6-S2 IS-12-H9-03	95B063411 95B063421 95B063431 95B062761 95B062771 95B062741 95B062751	BASIC BASIC BASIC BASIC BASIC BASIC	23 23 23 23 23 23
IS-12-H4-03 IS-12-H4-S2 IS-12-H5-03 IS-12-H5-S2 IS-12-H6-03 IS-12-H6-S2 IS-12-H9-03	958063421 958063431 958062761 958062771 958062741 958062751	BASIC BASIC BASIC BASIC BASIC	23 23 23 23 23
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IS-12-H5-03 IS-12-H5-S2 IS-12-H6-03 IS-12-H6-S2 IS-12-H9-03	95B062761 95B062771 95B062741 95B062751	BASIC BASIC BASIC	23 23
IS-12-H5-S2 IS-12-H6-03 IS-12-H6-S2 IS-12-H9-03	95B062771 95B062741 95B062751	BASIC BASIC	23
IS-12-H6-03 IS-12-H6-S2 IS-12-H9-03	95B062741 95B062751	BASIC	
IS-12-H6-S2 IS-12-H9-03	95B062751		23
IS-12-H9-03		BASIC	
	95B064120	Divoic	23
		BASIC	23
IS-12-H9-S2	95B064150	BASIC	23
IS-12-I1-S2	95B065340	METAL FACE	48
IS-12-L1-S2	95B063871	METAL FACE	48
IS-12-M1-S2	95B060240	STAINLESS STEEL	40
IS-12-M2-S2	95B060250	STAINLESS STEEL	40
IS-12-M3-S2	95B060260	STAINLESS STEEL	40
IS-12-M4-S2	95B060270	STAINLESS STEEL	40
IS-12-N1-S2	95B060280	STAINLESS STEEL	40
IS-12-N2-S2	95B060290	STAINLESS STEEL	40
IS-12-N3-S2	95B060300	STAINLESS STEEL	40
IS-12-N4-S2	95B060310	STAINLESS STEEL	40
IS-12-01-S2	95B060000	STAINLESS STEEL	41
IS-12-02-S2	95B060010	STAINLESS STEEL	41
IS-12-03-S2	95B060020	STAINLESS STEEL	41
IS-12-04-S2	95B060030	STAINLESS STEEL	41
IS-12-P1-S2	95B060040	STAINLESS STEEL	41
IS-12-P2-S2	95B060050	STAINLESS STEEL	41
	95B060060	STAINLESS STEEL	41
IS-12-P3-S2	95B060070	STAINLESS STEEL	41
IS-12-P3-S2 IS-12-P4-S2	95B060070	STAINLESS STEEL	41
		WELD FIELD IMMUNE	52
IS-12-P4-S2	95B065360		52
	IS-12-04-52 IS-12-P1-S2 IS-12-P2-S2 IS-12-P3-S2 IS-12-P4-S2	IS-12-04-52         95B060030           IS-12-P1-52         95B060040           IS-12-P2-52         95B060050           IS-12-P3-52         95B060060           IS-12-P4-52         95B060070           IS-12-P4-52         95B060070	IS-12-04-S2         95B060030         STAINLESS STEEL           IS-12-P1-S2         95B060040         STAINLESS STEEL           IS-12-P2-S2         95B060050         STAINLESS STEEL           IS-12-P3-S2         95B060060         STAINLESS STEEL           IS-12-P4-S2         95B060070         STAINLESS STEEL           IS-12-P4-S2         95B060070         STAINLESS STEEL           IS-12-P4-S2         95B060070         STAINLESS STEEL

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SENSOR	Order No.	Category	Pag.
IS-18-A0-03	95B064230	BASIC	24
IS-18-A0-S2	95B064260	BASIC	24
IS-18-A1-03	95B061341	BASIC	24
IS-18-A1-S2	95B061351	BASIC	24
IS-18-A15-03	95B060770	INDUCTIVE AC	57
IS-18-A15-S2	95B060780	INDUCTIVE AC	57
IS-18-A20-03	95B064360	NAMUR	67
IS-18-A20-S2	95B064380	NAMUR	67
IS-18-A2-03	95B061361	BASIC	24
IS-18-A2-S2	95B061371	BASIC	24
IS-18-A3-03	95B061301	BASIC	24
IS-18-A3-S2	95B061311	BASIC	24
IS-18-A4-03	95B061321	BASIC	24
IS-18-A4-S2	95B061331	BASIC	24
IS-18-A9-03	95B064300	BASIC	24
IS-18-A9-S2	95B063941	BASIC	24
IS-18-B1-03	95B062141	BASIC	25
IS-18-B1-S2	95B062151	BASIC	25
IS-18-B2-03	95B062161	BASIC	25
IS-18-B2-S2	95B062171	BASIC	25
IS-18-B3-03	95B062101	BASIC	25
IS-18-B3-S2	95B062111	BASIC	25

IS-18-B4-03	95B062121	BASIC	25
IS-18-B4-S2	95B062131	BASIC	25
IS-18-C0-03	95B064240	BASIC	24
IS-18-C0-S2	95B064280	BASIC	24
IS-18-C1-03	95B061741	BASIC	24
IS-18-C1-S2		BASIC	
	95B061751		24
IS-18-C20-03	95B064370	NAMUR	67
IS-18-C20-S2	95B064390	NAMUR	67
IS-18-C2-03	95B061761	BASIC	24
IS-18-C2-S2	95B061771	BASIC	24
IS-18-C3-03	95B061701	BASIC	24
IS-18-C3-S2	95B061711	BASIC	24
IS-18-C4-03	95B061721	BASIC	24
IS-18-C4-S2	95B061731	BASIC	24
IS-18-C9-03	95B064310	BASIC	24
IS-18-C9-S2	95B064340	BASIC	24
IS-18-D1-03	95B062541	BASIC	25
IS-18-D1-S2	95B062551	BASIC	25
IS-18-D2-03	95B062561	BASIC	25
IS-18-D2-S2	95B062571	BASIC	25
IS-18-D3-03	95B062501	BASIC	25
IS-18-D3-S2	95B062511	BASIC	25
IS-18-D4-03	95B062521	BASIC	25
IS-18-D4-S2	95B062531	BASIC	25
IS-18-E1-S2	95B067050	BASIC	26
IS-18-F1-S2	95B067040	BASIC	26
IS-18-G0-03	95B063851	BASIC	27
IS-18-G0-S2	95B064270	BASIC	27
IS-18-G1-03	95B063521	BASIC	27
IS-18-G1-S2	95B063531	BASIC	27
IS-18-G2-03	95B063541	BASIC	27
IS-18-G2-S2	95B063551	BASIC	27
IS-18-G3-03	95B063061	BASIC	27
IS-18-G3-S2	95B063491	BASIC	27
IS-18-G4-03	95B063501	BASIC	27
IS-18-G4-S2	95B063511	BASIC	27
IS-18-G5-03	95B062721	BASIC	27
IS-18-G5-S2	95B062731	BASIC	27
IS-18-G6-03	95B064200	BASIC	27
IS-18-G6-S2	95B062711	BASIC	27
IS-18-G9-03	95B063811	BASIC	27
IS-18-G9-S2	95B064330	BASIC	27
IS-18-H0-03	95B064250	BASIC	27
IS-18-H0-S2	95B064290	BASIC	27
IS-18-H1-03	95B063601	BASIC	27
IS-18-H1-S2	95B063611	BASIC	27
IS-18-H2-03	95B063621	BASIC	27
IS-18-H2-S2	95B063631	BASIC	27
IS-18-H3-03	95B063561	BASIC	27
IS-18-H3-S2	95B063571	BASIC	27
IS-18-H4-03	95B063581	BASIC	27
IS-18-H4-S2	95B063591	BASIC	27
IS-18-H5-03	95B064220	BASIC	27
IS-18-H5-S2	95B062811		
		BASIC	27
IS-18-H6-03	95B064210	BASIC	27
IS-18-H6-S2	95B062791	BASIC	27
IS-18-H9-03	95B064320	BASIC	27
IS-18-H9-S2	95B064350	BASIC	27
IS-18-I1-S2	95B065350	METAL FACE	49
IS-18-L1-S2	95B063881	METAL FACE	49
IS-18-M1-S2	95B060320	STAINLESS STEEL	42
IS-18-M2-S2	95B060330	STAINLESS STEEL	42
IS-18-M3-S2	95B060340	STAINLESS STEEL	42
IS-18-M4-S2	95B060350	STAINLESS STEEL	42

IS-30-G0-03	95B063861	BASIC	30
IS-30-G0-S2	95B064500	BASIC	30
IS-30-G1-03	95B063681	BASIC	30
IS-30-G1-S2	95B063691	BASIC	30
IS-30-G2-03	95B063701	BASIC	30
IS-30-G2-S2	95B063711	BASIC	30
IS-30-G3-03	95B063641	BASIC	30
IS-30-G3-S2	95B063651	BASIC	30
IS-30-G4-03	95B063661	BASIC	30
IS-30-G4-S2	95B063671	BASIC	30
IS-30-G5-03	95B063821	BASIC	30
IS-30-G5-S2	95B063831	BASIC	30
IS-30-G6-03	95B064400	BASIC	30
IS-30-G6-S2	95B064430	BASIC	30
IS-30-G9-03	95B064540	BASIC	30
IS-30-G9-S2	95B064580	BASIC	30
IS-30-H0-03	95B064480	BASIC	30
IS-30-H0-S2	95B064520	BASIC	30
IS-30-H1-03	95B063761	BASIC	30
IS-30-H1-S2	95B063771	BASIC	30
IS-30-H2-03	95B063781	BASIC	30
IS-30-H2-S2	95B063791	BASIC	30
IS-30-H3-03	95B063721	BASIC	30
IS-30-H3-S2	95B063731	BASIC	30
IS-30-H4-03	95B063741	BASIC	30
IS-30-H4-S2	95B063751	BASIC	30
IS-30-H5-03	95B064420	BASIC	30
IS-30-H5-S2	95B064450	BASIC	30
IS-30-H6-03	95B064410	BASIC	30
IS-30-H6-S2	95B064440	BASIC	30
IS-30-H9-03	95B064560	BASIC	30
IS-30-H9-S2	95B064600	BASIC	30
IS-30-M1-S2	95B060400	STAINLESS STEEL	44
IS-30-M2-S2	95B060410	STAINLESS STEEL	44
IS-30-M3-S2	95B060420	STAINLESS STEEL	44
IS-30-M4-S2	95B060430	STAINLESS STEEL	44
IS-30-N1-S2	95B060440	STAINLESS STEEL	44
IS-30-N2-S2	95B060450	STAINLESS STEEL	44
IS-30-N3-S2	95B060460	STAINLESS STEEL	44
IS-30-N4-S2	95B060470	STAINLESS STEEL	44
IS-30-01-S2	95B060160	STAINLESS STEEL	45
IS-30-02-52	95B060170	STAINLESS STEEL	45
IS-30-03-52	95B060180	STAINLESS STEEL	45
IS-30-04-S2	95B060190	STAINLESS STEEL	45
IS-30-P1-S2	95B060200	STAINLESS STEEL	45
IS-30-P2-S2	95B060210	STAINLESS STEEL	45
IS-30-P3-S2	95B060220	STAINLESS STEEL	45
IS-30-P4-S2	95B060230	STAINLESS STEEL	45

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SENSOR	Order No.	Category	Pag.
IS-40-C11-S3	95B065330	SQUARE	74
IS-40-W5-S3	95B065240	SQUARE	72
IS-40-W6-S3	95B065230	SQUARE	72
IS-40-W7-S3	95B065250	SQUARE	73
IS-40-W8-S3	95B065260	SQUARE	73
IS-40-X5-S2	95B065320	SQUARE	74
IS-40-X6-S2	95B065310	SQUARE	74
IS-40-Y5-S3	95B065280	SQUARE	72
IS-40-Y6-S3	95B065270	SQUARE	72
IS-40-Y7-S3	95B065290	SQUARE	73
IS-40-Y8-S3	95B065300	SQUARE	73
IS-88-Q1-03	95B060830	SQUARE	75
IS-88-Q1-S1	95B060840	SQUARE	75

IS-18-N1-S2	95B060360	STAINLESS STEEL	42
IS-18-N2-S2	95B060370	STAINLESS STEEL	42
IS-18-N3-S2	95B060380	STAINLESS STEEL	42
IS-18-N4-S2	95B060390	STAINLESS STEEL	42
IS-18-01-52	95B060080	STAINLESS STEEL	43
IS-18-02-52	95B060090	STAINLESS STEEL	43
IS-18-03-52	95B060100	STAINLESS STEEL	43
IS-18-04-52	95B060110	STAINLESS STEEL	43
IS-18-P1-S2	95B060120	STAINLESS STEEL	43
IS-18-P2-S2	95B060130	STAINLESS STEEL	43
IS-18-P3-S2	95B060140	STAINLESS STEEL	43
IS-18-P4-S2	95B060150	STAINLESS STEEL	43
IS-F18-S1-S2	95B065380	WELD FIELD IMMUNE	53
IS-F18-T1-S2	95B065390	WELD FIELD IMMUNE	53

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SENSOR	Order No.	Category	Pag.
IS-30-A0-03	95B064460	BASIC	28
IS-30-A0-S2	95B064490	BASIC	28
IS-30-A1-03	95B061421	BASIC	28
IS-30-A1-S2	95B061431	BASIC	28
IS-30-A15-03	95B060810	INDUCTIVE AC	58
IS-30-A15-S2	95B060820	INDUCTIVE AC	58
IS-30-A20-03	95B064610	NAMUR	68
IS-30-A20-S2	95B064630	NAMUR	68
IS-30-A2-03	95B061441	BASIC	28
IS-30-A2-S2	95B061451	BASIC	28
IS-30-A3-03	95B061381	BASIC	28
IS-30-A3-S2	95B061391	BASIC	28
IS-30-A4-03	95B061401	BASIC	28
IS-30-A4-S2	95B061411	BASIC	28
IS-30-A9-03	95B064530	BASIC	28
IS-30-A9-S2	95B064570	BASIC	28
IS-30-B1-03	95B062221	BASIC	29
IS-30-B1-S2	95B062231	BASIC	29
IS-30-B2-03	95B062241	BASIC	29
IS-30-B2-S2	95B062251	BASIC	29
IS-30-B3-03	95B062181	BASIC	29
IS-30-B3-S2	95B062191	BASIC	29
IS-30-B4-03	95B062201	BASIC	29
IS-30-B4-S2	95B062211	BASIC	29
IS-30-C0-03	95B064470	BASIC	28
IS-30-C0-S2	95B064510	BASIC	28
IS-30-C1-03	95B061821	BASIC	28
IS-30-C1-S2	95B061831	BASIC	28
IS-30-C20-03	95B064620	NAMUR	68
IS-30-C20-S2	95B064640	NAMUR	68
IS-30-C2-03	95B061841	BASIC	28
IS-30-C2-S2	95B061851	BASIC	28
IS-30-C3-03	95B061781	BASIC	28
IS-30-C3-S2	95B061791	BASIC	28
IS-30-C4-03	95B061801	BASIC	28
IS-30-C4-S2	95B061811	BASIC	28
IS-30-C9-03	95B064550	BASIC	28
IS-30-C9-S2	95B064590	BASIC	28
IS-30-D1-03	95B062621	BASIC	29
IS-30-D1-S2	95B062631	BASIC	29
IS-30-D2-03	95B062641	BASIC	29
IS-30-D2-S2	95B062651	BASIC	29
IS-30-D3-03	95B062581	BASIC	29
IS-30-D3-S2	95B062591	BASIC	29
IS-30-D4-03	95B062601	BASIC	29
IS-30-D4-S2	95B062611	BASIC	29
IS-30-E1-S2	95B067060	BASIC	31

#### **DATALOGIC** 87

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