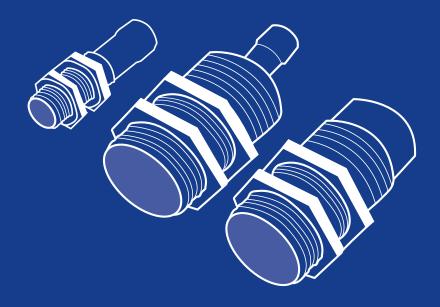
# CATALOG

# Inductive and Capacitive Sensors





#### **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**

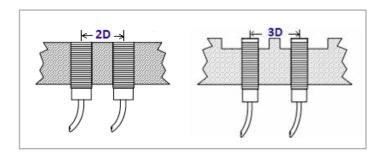
- -only detect metallic objects
- -low operating distance
- -sensitive to electromagnetic interference (such as electric welding, induction ovens)

#### 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 ≥ 2sn from the metallic installation medium. The distance from opposing metal surfaces must be ≥ 3sn and the distance between two adjacent proximity switches ≥ 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 protection.

#### **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.

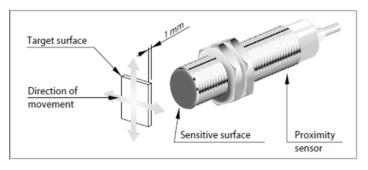
#### **NAMUR VERSION:**

Are available 2 wires versions (M5, M6,5, M8, M12, M18, M30). They can be used in conjunction with suitable switching amplifiers.

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.

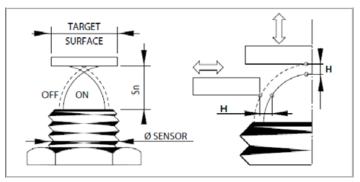


When the object to be detected is a different metal material, multiply the value of the rated operating distance for a reduction factor. The table beside shows the average reduction factors of materials according to the standards.

Fe37	1 x Sn*
Stainless Steel AISI316L (X2CrNiMo17-12-2, UNI EN 10088-3)	0,9 x Sn
Brass-Bronze (CuZn33, UNI EN 12163:1999)	0,5 x Sn
Aluminum (25°C) (EN AW-1060, UNI EN 573-3:2006)	0,4 x Sn
Copper (Cu-DHP, UNI EN 1652:1999)	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"



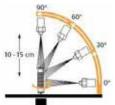






M12/18/30 FLUSH Vdc models are ATEX certified I I 3G EX nA II T6 I I 3D EX tD A22 IP67 T85°C





The Stainless Steel series is rated IP69K.

### Operating distance

MODEL	M4	M5	M6,5	М8	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

The following tables are showing the approximate housing length (mm) for the tubular inductive sensors and the absolute maximum installation limit of the mounting torque.

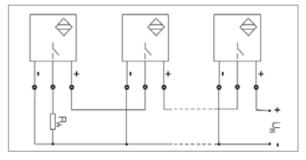
	STANDARD MO		SHORT MODEL LENGTH (mm)	
	connector	cable	connector	cable
M4		25		
M5	40	2025		
M6,5	5363	4655	5054	4044
M8	5273	4455	4857	4044
M12	6872	5864	4854	4248
M18	7382	7078	5665	4756
M30	7485	7082	5668	4956

Mounting	Flush, No Flush Mountable	Diameter	A (11 Mm)	В
Housing Material	Stainless Steel, Nickel Brass	4 Mm	1,5 [Nm]	1,5 [Nm]
Installation	⊩ B ⊢A C	5 Mm	1,5 [Nm]	1,5 [Nm]
	<b>-</b> 0	8 Mm	2 [Nm]	4 [Nm]
	0	12 Mm	6 [Nm]	10 [Nm]
	₽ A	18 Mm	20 [Nm]	30 [Nm]
	<b>2</b> 1−B	30 Mm	40 [Nm]	60 [Nm]

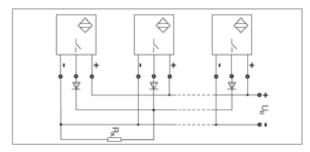
#### Wires

	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		
4 VINES	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 quaranteed.

#### • 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

08 32 **BASIC** STAINLESS STEEL

- Nickel-plated Brass housing
- LCP active face
- 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

- Stainless Steel housing
- M4, M5 POM active face M6,5, M8, M12, M18, M30 LCP active face
- 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
- IP69K protection

54 60 **INDUCTIVE AC NAMUR** 

- Nickel-plated Brass housing
- PA 16 active face
- Standard length
- Operating distance 2 ... 10 mm
- M12. M18. M30
- cable or M12 connector
- 20+250 Vac (50,60 Hz)
- 2 or 3 wires
- N0
- IP67 protection

- Nickel-plated Brass housing
- LCP active face
- Short length
- Operating distance 0.8 ... 15 mm
- M12, M18
- cable, M8 or M12 connector
- 2 wires
- PNP, NO
- IP67 protection

#### **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-
- 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-
- 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

#### M12

- Flush, non-flush
- Stainless steel, nickel plated-
- Op.Dist.: 2...4 Mm
- Double range vers.: 4...8 Mm
- Diameter: 12 mm
- Standard or short housing
- 2, 3, 4 (Programmable npn/ pnp output) wires
- Vac/vdc vers.
- Metal face vers.
- Namur vers.
- Field immune vers.
- Pnp or npn, n.O., N.C.
- M12 connector or cable

- Stainless Steel AISI 303 active face
- Stainless Steel active face
- Standard length
- 2 ... 8 mm
- M12, M18
- M12 connector
- 3 wires
- PNP, NO
- IP67 protection

- Stainless Steel housing
- PTFE active face

WELD FIELD IMMUNE

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

70 **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

**CAPACITIVE** 

76

- Nickel plated brass
- M18, M30
- Basic line NO-NC
- Capacitive A.C. (plastic housing)
- Multivoltage (SPDT relay)
- Operating distance: 5...25 mm
- Cable or M8 connector
- 2,4,6 wires
- PNP or NPN, N.O. and N.C. outputs, SPDT relay
- Delay ON or delay OFF model
- IP67 protection

**CABLES, CONNECTORS & ACCESSORIES** 

84

#### 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
- Capacitive d.C., N.O.-N.C. Outputs
- Capacitive a.C., 2 Wires, n.O.

#### 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
- Capacitive d.C., N.O.-N.C. Outputs
- Capacitive a.C., 2 Wires, n.O.
- Capacitive multivoltage with timer relay output

#### **SQUARE 40X40**

- Flush, non-flush
- 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

#### **SQUARE 8X8**

- Nickel-plated brass
- Op.Dist.: 1,5 Mm
- Diameter: 8 mm
- 3 Wires, pnp, n.O.
- M8 connector or cable

Nickel-plated Brass housing

LCP active face

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

#### REDUCTION FACTOR

	ALUMINUM (25°C)	STAINLESS STEEL AISI316L	COPPER	BRASS
FLUSH	0,30,5	0,70,9	0,20,5	0,40,6
NON-FLUSH	0,40,6	0,71,05	0,40,5	0,50,7

M12/18/30 models are Diversey and ECOLAB tested









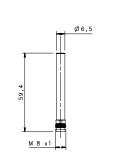
## BASIC

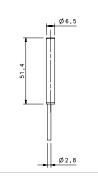


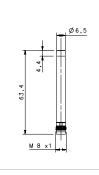


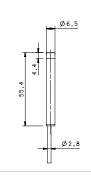
### BASIC M6.5





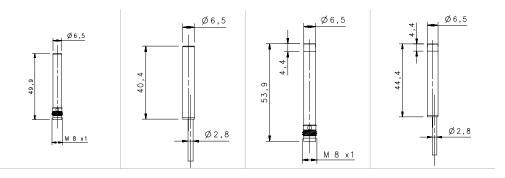






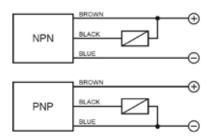
					STAN	IDARD		
				- FL	USH	NON FLUSH		
				M8 conn	cable	M8 conn	cable	
IOMINAL SWITC	HING DISTAN	ICE		1,5 mm	1,5 mm	2 mm	2 mm	
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.					
10-30 Vdc	PNP N0	3 wires		IS-65-A1-S1	IS-65-A1-03	IS-65-C1-S1	IS-65-C1-03	
10-30 Vdc	PNP	3 wires	order No.	95B066050 IS-65-A2-S1	95B064730 IS-65-A2-03	95B066210 IS-65-C2-S1	95B064890 IS-65-C2-03	
10-30 VUC	NC NPN	3 WILES	order No.	95B066090 IS-65-A3-S1	95B064770 IS-65-A3-03	95B066250 IS-65-C3-S1	95B066300 IS-65-C3-03	
10-30 Vdc	NO NO	3 wires	order No.	95B064970	95B064650	95B066130	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	4 wires	order No.					
10-30 Vdc	NPN	4 wires	order No.					
	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						
20-250 Vac	NO	2/3 wires	order No.					
	Analog 0-20		order No.					
10-30 Vdc	mA	3 wires	order No.					
NAMUR amplifier	NAMUR	2 wires	order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	

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 (I=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
Repeatability	< 3%	< 3%	< 3%	< 3%
Short Circuit Protection	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting
Electric Protection	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa
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 mm <sup>2</sup>		3x 0,14 mm <sup>2</sup>
Housing Material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active Face	LCP	LCP	LCP	LCP
Tightening torque				
Weight - Cable Output		80 g		80 g
Weight - Connector Output	40 g		40 g	

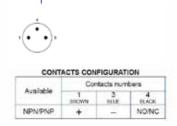


	SH	ORT			
FLI		NON I	NON FLUSH		
M8 conn	cable	M8 conn	cable		
1,5 mm	1,5 mm	2 mm	2 mm		
 IC /F D1 C1	 IC /F D1 02				
IS-65-B1-S1	IS-65-B1-03	IS-65-D1-S1	IS-65-D1-03		
95B066070	95B064750	95B066230	95B064910		
IS-65-B2-S1	IS-65-B2-03	IS-65-D2-S1	IS-65-D2-03		
95B066110	95B064790	95B066270	95B064950		
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)					
Yellow	Yellow	Yellow	Yellow		
1000 Hz	1000 Hz	1000 Hz	1000 Hz		
< 50 ms	< 50 ms	< 50 ms	< 50 ms		
< 3%	< 3%	< 3%	< 3%		
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)		
Against polarity reversal	Against polarity reversal	Against polarity reversal	Against polarity reversal		
inductive loads	inductive loads	inductive loads	inductive loads		
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)		
IP67	IP67	IP67	IP67		
	2 m		2 m		
	3 x 0,14 mm <sup>2</sup>		3 x 0,14 mm <sup>2</sup>		
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass		
LCP	LCP	LCP	LCP		
	80 g		80 g		
40 g		40 g			
40 g		40 g			

#### 3 wires PNP or NPN

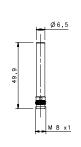


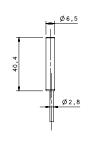
#### M8 3 pole



### BASIC M6.5







				SHURT X2			
				FLU			
				M8 conn	cable		
NOMINAL SWITCH	HING DISTAN	NCE		2 mm	2 mm		
10-30 Vdc	PNP/NPN	4 wires					
10-30 VuC	NO-NC	4 WITES	order No.				
10-30 Vdc	PNP	3 wires		IS-65-G1-S1	IS-65-G1-03		
10-30 vuc	N0	3 WII es	order No.	95B066060	95B064740		
10-30 Vdc	PNP	3 wires		IS-65-G2-S1	IS-65-G2-03		
10-30 vuc	NC	3 WII es	order No.	95B066100	95B064780		
10-30 Vdc	NPN	3 wires		IS-65-G3-S1	IS-65-G3-03		
10-30 vuc	N0	3 WIIES	order No.	95B064980	95B064660		
10-30 Vdc	NPN	3 wires		IS-65-G4-S1	IS-65-G4-03		
10-30 vac	NC	3 WII es	order No.	95B066020	95B064700		
10-30 Vdc	PNP	4 wires					
10-30 VUC	NO-NC	4 WITES	order No.				
10-30 Vdc	NPN ,	4 wires					
10-30 Vuc	NO-NC	4 WIIES	order No.				
10-30 Vdc	NO-NC	2 wires					
10-30 vac	INO-INC	2 WIIES	order No.				
20-250 Vac/Vdc	NO	2 wires					
20-230 Vac/Vuc	INU	2 WII es	order No.				
20-250 Vac/Vdc	NC	2 wires					
20-230 Vac/Vuc	INC	2 WITES	order No.				
20-250 Vac	NO	NO	NO	2/3 wires			
20-250 Vac	NU	Z/3 WIFES	order No.				
10-30 Vdc	Analog 0-20	3 wires					
10-30 Vac	mA	J WII CS	order No.				
NAMUR amplifier	NAMUR	2 wires					
NAMOR ampuller	NAMOR	2 Wiles	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					200 HIA		
Residual Current				< 10 mA	< 10 mA		
Voltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)		
Operation Led				Yellow	Yellow		
Switching Frequency	v			500 Hz	500 Hz		
Start Up Delay	,			< 75 ms	< 75 ms		
Repeatability				< 3%	< 3%		
Short Circuit Protection			Present (self-resetting)	Present (self-resetting)			
Electric Protection			Against polarity reversal inductive loads	Against polarity reversal inductive loads			
Townson Limits							
Temperature Limit				(-25 +70 °C) IP67	(-25 +70 °C) IP67		
Protection Degree							
Cable Length					2 m		
Cable Section					3 x 0,14 mm <sup>2</sup>		
Housing Material				Nickel-plated brass	Nickel-plated brass		

LCP

40 g

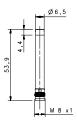
LCP

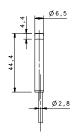
80 g

Active face

Tightening torque

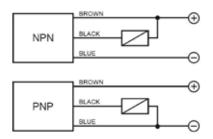
Weight - Cable Output Weight - Connector Output



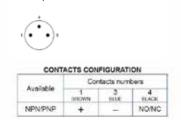


SHORT X 2							
	NON FLUSH						
M8 conn	cable						
3 mm	3 mm						
IS-65-H1-S1	IS-65-H1-03						
95B066220	95B064900						
IS-65-H2-S1	IS-65-H2-03						
95B066260	95B064940						
IS-65-H3-S1	IS-65-H3-03						
95B066140	95B064820						
IS-65-H4-S1	IS-65-H4-03						
95B066180	95B064860						
10-30 Vdc (-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%						
Present (self-resetting)	Present (self-resetting)						
Against polarity	Against polarity reversal						
reversal inductive loads	inductive loads						
(-25 +70 °C)	(-25 +70 °C)						
IP67	IP67						
	2 m						
	3 x 0,14 mm²						
Nickel-plated brass	Nickel-plated brass						
LCP	LCP						
	80 g						
40 g							

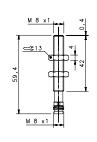
#### 3 wires PNP or NPN

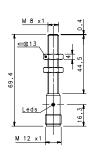


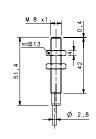
#### M8 3 pole



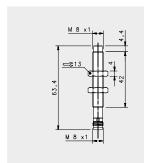


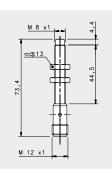


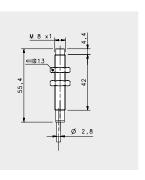




					STANDARD			
					FLUSH			
				M8 conn	M12 conn	cable		
IOMINAL SWITC	HING DISTAN	ICE		1,5 mm	1,5 mm	1,5 mm		
10-30 Vdc	PNP/NPN	4 wires						
	NO-NC		order No.					
10-30 Vdc	PNP	3 wires		IS-08-A1-S1	IS-08-A1-S2	IS-08-A1-03		
10 00 140	N0	o wiics	order No.	95B061141	95B061131	95B061121		
10-30 Vdc	PNP	3 wires		IS-08-A2-S1	IS-08-A2-S2	IS-08-A2-03		
10-30 vuc	NC	J WII CS	order No.	95B061171	95B061161	95B061151		
10-30 Vdc	NPN	2 wires		IS-08-A3-S1	IS-08-A3-S2	IS-08-A3-03		
10-30 vac	N0	3 wires	order No.	95B061081	95B061071	95B061061		
10 20 1/4-	NPN			IS-08-A4-S1	IS-08-A4-S2	IS-08-A4-03		
10-30 Vdc	NC	3 Wires	order No.	95B061111	95B061101	95B061091		
	PNP							
10-30 Vdc	NO-NC	4 wires	order No.					
	NPN							
0-30 Vdc NO-NC		order No.						
10-30 Vdc	NO-NC	2 wires	order No.					
			order No.					
20-250 Vac/Vdc	N0	2 wires	andan Na					
			order No.					
20-250 Vac/Vdc	NC	2 wires						
			order No.					
20-250 Vac	NO	2/3 wires						
			order No.					
10-30 Vdc	Analog 0-20	0 3 wires						
	mA	0 111100	order No.					
NAMUR amplifier	NAMUR	2 wires						
TVANOR ampuner	IVAMON	2 WIICS	order No.					
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	t			200mA	200mA	200mA		
Min. Output Curren	t							
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 Frequenc	cv			1000 Hz	1000 Hz	1000 Hz		
Start Up Delay	-,			< 50 ms	< 50 ms	< 50 ms		
Repeatability				< 3%	< 3%	< 3%		
Nepeulublity Short Circuit Protei	ction			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)		
Short Cheart Frote	Cilon							
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 mm <sup>2</sup>		
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass		
Active face				LCP	LCP	LCP		
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catal		
Weight - Cable Outp	ut			page 5 5. a.sauctive serisors suitateg	page c c. a.eadetive cerisors datatog	80 g		
Weight - Connector				354	554			
meight - connector	output			35g	55g			

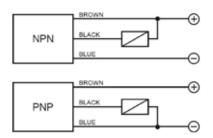






	STANDARD	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-C1-S1	IS-08-C1-S2	IS-08-C1-03
95B061541	95B061531	95B061521
IS-08-C2-S1	IS-08-C2-S2	IS-08-C2-03
95B061571	95B061561	95B061551
IS-08-C3-S1	IS-08-C3-S2	IS-08-C3-03
95B061481	95B061471	95B066410
IS-08-C4-S1	IS-08-C4-S2	IS-08-C4-03
95B061511	95B061501	95B066450
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) Yellow	< 1,2 V (I=100mA)
Yellow	1000 Hz	Yellow 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	(-23 +/0 C)	(-23 +70 C)
		2 m
		3x 0,14 mm <sup>2</sup>
Nickel-plated brass		
LCP	Nickel-plated brass  LCP	Nickel-plated brass LCP
see page 5 of the Inductive Sensors Catalog		* see page 5 of the Inductive Sensors Catalo
see page 5 of the inductive sensors catalog	* see page 5 of the Inductive Sensors Catalog	
	55a	80 g

#### 3 wires PNP or NPN



#### M123 pole



C	ONTACTS	CONFIGU	RATION	
Available		Contacts	numbers	11 - 25
Available	1	2	3	4
(NO or NC)	+		777	NOING

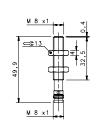
#### M8 3 pole

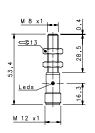


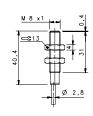
.000.000.00	Con	tacts num	bers
Available	1 IROWN	3 HUE	HACK
NPN/PNP	+	=	NO/NO

35g

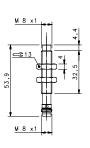


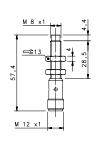


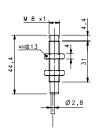




				SHORT			
					FLUSH		
				M8 conn	M12 conn	cable	
OMINAL SWITC	HING DISTAN	ICE		1,5 mm	1,5 mm	1,5 mm	
10-30 Vdc	PNP/NPN	4 wires					
10-30 vuc	NO-NC	4 WITES	order No.				
10-30 Vdc	PNP	3 wires		IS-08-B1-S1	IS-08-B1-S2	IS-08-B1-03	
10-30 Vac	N0	3 WII es	order No.	95B066860	95B066590	95B061921	
10-30 Vdc	Vdc PNP NC 3 wires order No.			IS-08-B2-S1	IS-08-B2-S2	IS-08-B2-03	
0-30 vuc	NC order No.		95B066890	95B066620	95B061951		
U-30 //dc	NPN 3 wires			IS-08-B3-S1	IS-08-B3-S2	IS-08-B3-03	
0-30 vac	NO 3 wires order No.		95B066810	95B066530	95B061861		
0.20.1/45	NPN 3 wires			IS-08-B4-S1	IS-08-B4-S2	IS-08-B4-03	
U-30 VCC	30 Vdc NC 3 wires order No.		95B066830	95B066560	95B061891		
0.201/4-	Vdc PNP 4 wires						
0-30 Vdc	NU-NC		order No.				
0.30.1/4-							
0-30 Vdc			order No.				
0.001/1							
0-30 Vdc			order No.				
20-250 Vac/Vdc			order No.				
0-250 Vac/Vdc	NC	2 wires					
		2/3 wires					
0-250 Vac	N0	2/3 wires	order No.				
	Analog 0-20						
0-30 Vdc	mA	3 wires	order No.				
IAMUR amplifier 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%	
lysteresis				< 10%	< 10%	< 10%	
, Max. Output Current				200mA	200mA	200mA	
Min. Output Current							
Residual Current	·			< 10 mA	< 10 mA	< 10 mA	
/oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	
peration Led				Yellow	Yellow	Yellow	
Switching Frequenc	·v			1000 Hz	1000 Hz	1000 Hz	
Start Up Delay	,			< 50 ms	< 50 ms	< 50 ms	
Repeatability				< 3%	< 3%	< 3%	
Repeatability Short Circuit Protec	ction			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)	
Temperature Limit				IP67	IP67	(-25 +70 C) IP67	
Protection Degree						2 m	
		h					
Cable Length			Cable Section		_		
Cable Length Cable Section				Nickal plated brace	Niekol plated brace	3 x 0,14 mm <sup>2</sup>	
Cable Length Cable Section Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Cable Length Cable Section Housing Material Active face				Nickel-plated brass LCP	Nickel-plated brass LCP	Nickel-plated brass LCP	
Cable Length				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	

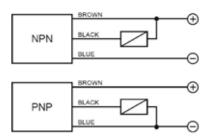






	SHORT	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-D1-S1	IS-08-D1-S2	IS-08-D1-03
95B066970	95B066700	95B062321
IS-08-D2-S1	IS-08-D2-S2	IS-08-D2-03
95B067000	95B066720	95B062351
IS-08-D3-S1	IS-08-D3-S2	IS-08-D3-03
95B066920	95B066650	95B066430
IS-08-D4-S1	IS-08-D4-S2	IS-08-D4-03
95B066940	95B066670	95B062291
10-30 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 1000 Hz	Yellow 1000 Hz	Yellow 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) IP67	(-25 +70 °C) IP67	(-25 +70 °C) IP67
1P6/	IP6/	2 m
		3 x 0,14 mm <sup>2</sup>
		Nickel-plated brass
Nickel-plated brass  LCP	Nickel-plated brass LCP	LCP
see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalo
see page 5 of the inductive sensor's catalog	see page 3 of the inductive sensors calalog	
	55a	80 g

#### 3 wires PNP or NPN



#### M123 pole



1 2 3 4	4.000		Contacts	numbers	
	Available	-1	2	3	4
	NO or NC)	1	2	3	4

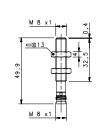
#### M8 3 pole

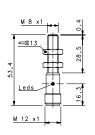


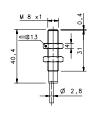
27.252.31	Contacts numbers				
Available	1 BROWN	3 HUE	HACK		
NPN/PNP	+		NO/NO		

35g

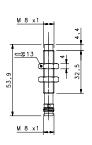


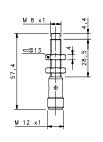


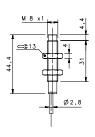




					SHORT X2	
					FLUSH	
				M8 conn	M12 conn	cable
OMINAL SWITCH	ING DISTANCE			2 mm	2 mm	2 mm
10-30 Vdc	PNP/NPN	4 wires				
0 30 vac	NO-NC	4 WIICS	order No.			
0-30 Vdc	PNP	3 wires		IS-08-G1-S1	IS-08-G1-S2	IS-08-G1-03
0-30 vuc	N0	2 MILES	order No.	95B066850	95B066580	95B066370
0.201/-	NC         order No.           0 Vdc         NPN NO         3 wires           0 Vdc         NPN NC         3 wires           0 Vdc         NPN NC         3 wires			IS-08-G2-S1	IS-08-G2-S2	IS-08-G2-03
0-30 Vdc			order No.	95B066880	95B066610	95B066390
				IS-08-G3-S1	IS-08-G3-S2	IS-08-G3-03
0-30 Vdc			order No.	95B066800	95B066520	95B066330
				IS-08-G4-S1	IS-08-G4-S2	IS-08-G4-03
0-30 Vdc			95B063131	95B066550	95B066350	
			Order 140.	735003131		
0-30 Vdc	III Vdc     4 wires		order No.			
			oruer No.			
0-30 Vdc	NPN NO-NC	4 wires	andar Na			
	NO-NC order N		oraer No.			
0-30 Vdc	NO-NC	2 wires				
	order No.		order No.			
0-250 Vac/Vdc	NO	NO 2 wires				
200 140, 140	1.10	order No.				
0-250 Vac/Vdc	NC	2 wires				
.0 230 vac/ vac	140	2 WIICS	order No.			
0-250 Vac	NO	2/3 wires				
.0-230 vac	140	2/3 WIICS	order No.			
0 20 1/4-	Analog 0-20	2				
0-30 Vdc	mA	3 wires	order No.			
IAAAI IDI:6	AMUR amplifier NAMUR 2 wires					
NAMUR amplifier NAMUR 2 wires order No.						
				10.00141 (45/400)	40.001/1 (45/400)	10.00.11 ( 15/100/)
ominal Voltage		10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)		
	esidual Ripple		< 10%	< 10%	< 10%	
lysteresis				< 10%	< 10%	< 10%
Aax. Output Current	ax. Output Current		200mA	200mA	200mA	
lin. Output Current						
Residual Current				< 10 mA	< 10 mA	< 10 mA
oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
peration Led				Yellow	Yellow	Yellow
witching Frequenc	y			500 Hz	500 Hz	500 Hz
itart Up Delay				< 75 ms	< 75 ms	< 75 ms
Repeatability				< 3%	< 3%	< 3%
Short Circuit Protec	tion			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
lectric Protection				Against polarity reversal	Against polarity reversal	Against polarity reversal
				inductive loads	inductive loads	inductive loads
emperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67
able Length						2 m
able Section						3 x 0,14 mm²
lousing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
lctive face				LCP	LCP	LCP
ightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Cata
Veight - Cable Outpu	ut					80 g



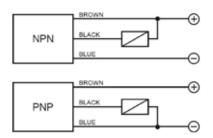




	SHORT X2	
	NON FLUSH	
M8 conn	M12 conn	cable
3 mm	3 mm	3 mm
IS-08-H1-S1	IS-08-H1-S2	IS-08-H1-03
95B066960	95B066690	95B066480
IS-08-H2-S1	IS-08-H2-S2	IS-08-H2-03
95B066990	95B063301	95B066500
IS-08-H3-S1	IS-08-H3-S2	IS-08-H3-03
95B066910	95B066640	95B066420
IS-08-H4-S1	IS-08-H4-S2	IS-08-H4-03
95B063251	95B063241	95B066460
10.20.1/4- / 15/100/)	10 20 \/-/ 15/100/\	10.20 \/d= / 15/100/\
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)	(-25 +70 °C)
IP67	IP67	IP67
		2 m
		3 x 0,14 mm <sup>2</sup>
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP
see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalo
	<b>3</b>	80 g

55g

#### 3 wires PNP or NPN



#### M123 pole



	ONTACTS	CONFIGU	RATION	
Available		Contacts	numbers	
Available	1	2	3	4
(NO or NC)	+		77.0	NOING

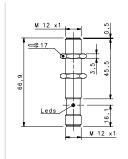
#### M8 3 pole

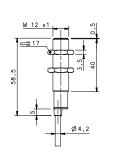


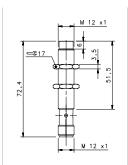
CONT	ACTS CON	FIGURAT	ION
1200-2002-00	Con	tacts nur	bers
Available	1 BROWN	3 HUE	HACK
NPN/PNP	+	=	NO/NO

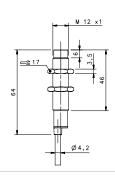
35g





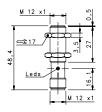


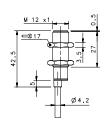


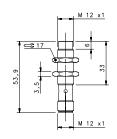


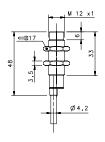
				STANDARD				
				FL		NON FLUSH		
				M12 conn	cable	M12 conn	cable	
IOMINAL SWITC	HING DISTAN	ICE		2 mm	2 mm	4 mm	4 mm	
10-30 Vdc	PNP/NPN	/		IS-12-A0-S2	IS-12-A0-03	IS-12-C0-S2	IS-12-C0-03	
TU-3U Vac	NO-NC	4 wires	order No.	95B064060	95B064030	95B064080	95B064040	
10.201/4	PNP	2		IS-12-A1-S2	IS-12-A1-03	IS-12-C1-S2	IS-12-C1-03	
10-30 Vdc	NO	3 wires	order No.	95B061251	95B061241	95B061651	95B061641	
10.201/-	PNP	2		IS-12-A2-S2	IS-12-A2-03	IS-12-C2-S2	IS-12-C2-03	
10-30 Vdc	NC	3 wires	order No.	95B061281	95B061271	95B061681	95B061671	
10-30 Vdc	NPN	3 wires		IS-12-A3-S2	IS-12-A3-03	IS-12-C3-S2	IS-12-C3-03	
10-30 Vac	N0	3 wires	order No.	95B061191	95B061181	95B061591	95B061581	
10-30 Vdc	NPN	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	4 wires						
10-30 Vac	NO-NC		order No.					
10-30 Vdc	NPN	4 wires						
10-30 Vac	NO-NC	4 WITES	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	
10-30 Vac	INU-INC	2 WITES	order No.	95B063931	95B064100	95B064140	95B064110	
20-250 Vac/Vdc	N0	2 wires						
20-250 Vac/Vuc	NO	2 WITES	order No.					
20-250 Vac/Vdc	50 Vac/Vdc NC	2 wires						
20-230 Vac/ Vac	INC	Z WIICS	order No.					
20-250 Vac	NO	2/3 wires						
20-230 Vac	140	2/3 WIICS	order No.					
10-30 Vdc	Analog 0-20	3 wires						
10 30 vuc	mA	2 MILE2	order No.					
NAMUR amplifier	NAMUR	2 wires						
NAMON ampuner	IVAINOR	2 WITES	order No.					
					I a contract the contract to t		1	

Nominal Voltage	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple	< 10%	< 10%	< 10%	< 10%
Hysteresis	< 10%	< 10%	< 10%	< 10%
Max. Output Current	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)
Min. Output Current	> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)
Residual Current	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)
Voltage Drop	< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires)
Operation Led	Yellow	Yellow	Yellow	Yellow
Switching Frequency	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)
Start Up Delay	< 50 ms	< 50 ms	< 50 ms	< 50 ms
Repeatability	< 3%	< 3%	< 3%	< 3%
Short Circuit Protection	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree	IP67	IP67	IP67	IP67
Cable Length		2 m		2 m
Cable Section		2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>
Housing Material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face	LCP	LCP	LCP	LCP
Tightening torque	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
Weight - Cable Output		110 g		110 g
Weight - Connector Output	60 g		60 g	









	SH	ORT	
FLI		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
< 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 inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa inductive loads
(-25 +60 °C)	(-25 +70 °C)	(-25 +60 °C)	(-25 +70 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,14 mm²		3 x 0,14 mm <sup>2</sup>
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP			
ILP	LCP	LCP	LCP

\* see page 5 of the Inductive

Sensors Catalog

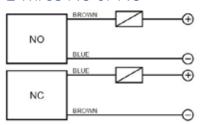
60 g

\* see page 5 of the Inductive

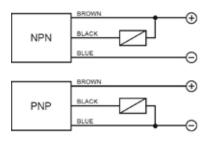
Sensors Catalog

110 g

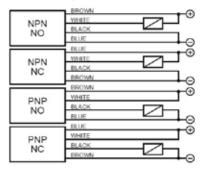
#### 2 wires NO or NC



#### 3 wires PNP or NPN



#### 4 wires (PNP/NPN, NO/NC)



#### M12 connector - connections



#### 2 wires NO or NC

tunitable.	Contacts numbers				
Available	3	2	3	4	
NO	*		-		
NC			+		

#### 3 wires

	ONTACTS	CONFIGU	RATION	
Available	7.77	Contacts	numbers	1
Average	1	2	3	4
(NO or NC)	+		-	NOINC

#### 4 wires (PNP/NPN, NO/NC)

Output		Contacts	numbers	
Output	11	2	- 3	4
NPN NO	+	NO	_	-
NPN NC	-	NC	+	-
PNP NO	+	+	-	NO
PNP NC	-	+	+	NC

see page 5 of the Inductive

Sensors Catalog

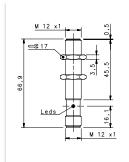
60 g

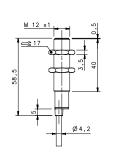
\* see page 5 of the Inductive

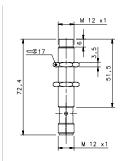
Sensors Catalog

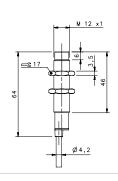
110 g



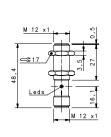


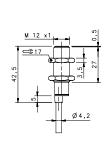


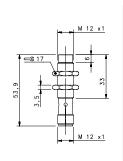


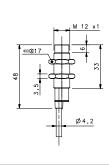


				STANDARD X2				
				FL	JSH	NON FLUSH		
				M12 conn	cable	M12 conn	cable	
IOMINAL SWITCHING DISTANCE		4 r	nm	8 r	nm			
10.003/1	PNP/NPN	, .		IS-12-E0-S2	IS-12-E0-03	IS-12-F0-S2	IS-12-F0-03	
10-30 Vdc	NO-NC 4 WIFES	4 wires	order No.	95B067230	95B067190	95B067250	95B067210	
10.003/1	PNP			IS-12-E1-S2	IS-12-E1-03	IS-12-F1-S2	IS-12-F1-03	
10-30 Vdc	NO	3 wires	order No.	95B067030	95B067670	95B067020	95B067740	
10.003/1	PNP			IS-12-E2-S2	IS-12-E2-03	IS-12-F2-S2	IS-12-F2-03	
10-30 Vdc	NC	3 wires	order No.	95B067640	95B067680	95B067710	95B067750	
10.201/-	NPN	2		IS-12-E3-S2	IS-12-E3-03	IS-12-F3-S2	IS-12-F3-03	
10-30 Vdc	N0	3 wires	order No.	95B067650	95B067690	95B067720	95B067760	
10.201/-	NPN	2		IS-12-E4-S2	IS-12-E4-03	IS-12-F4-S2	IS-12-F4-03	
10-30 Vdc	NC	3 wires	order No.	95B067660	95B067700	95B067730	95B067770	
10.001/1	PNP	, .						
10-30 Vdc	NO-NC	4 wires	order No.					
10. 20 Vdc	NPN	Luine						
10-30 Vdc	NO-NC	4 wires	order No.					
10-30 Vdc	NO NO	2		IS-12-E9-S2	IS-12-E9-03	IS-12-F9-S2	IS-12-F9-03	
TU-3U Vac	NO-NC	2 wires	order No.	95B067240	95B067200	95B067260	95B067220	
20-250 Vac/Vdc	NO	2						
ZU-Z5U Vac/Vac	N0	2 wires	order No.					
20 250 /////-	NC	2						
20-250 Vac/Vdc	NC	2 wires	order No.					
20.250.//	NO	2/2						
20-250 Vac	N0	2/3 wires	order No.					
10-30 Vdc	Analog 0-20	3 wires						
10-30 Vac	mA	3 Wiles	order No.					
NAMID and Sea	NAMUR	2 wires						
NAMUR amplifier	NAMOR	2 WII eS	order No.					
Naminal Valtage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Nominal Voltage				< 10%	< 10%	< 10%		
Residual Ripple				< 10%	< 10%	< 10%	< 10% < 10%	
Hysteresis								
Max. Output Current				100 mA	100 mA	100 mA	100 mA	
Min. Output Current Residual Current				< 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)	
Voltage Drop				Yellow	Yellow	Yellow	Yellow	
Operation Led Switching Frequenc	v			500 Hz/200 Hz (2 wires NO-NC)	500 Hz/200 Hz (2 wires NO-NC)	400 Hz/200 Hz (2 wires NO-NC)	400 Hz/200 Hz (2 wires NO-NC	
	у			< 75 ms	< 75 ms	< 75 ms	< 75 ms	
Start Up Delay Repeatability				< 3%	< 3%	< 3%	< 3%	
Short Circuit Protec	tion			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Electric Protection	cion			Against polarity reversal	Against polarity reversal	Against polarity reversal	Against polarity reversal	
				inductive loads	inductive loads	inductive loads	inductive loads	
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	IP67	IP67	
Cable Length								
Cable Section			2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>			
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Active face				LCP	LCP	LCP	LCP	
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	
Weight - Cable Outpu	ıt			Selisors Catalog	Sensors catalog	Serisors Catalog	Sensors Catalog	
	Output			60 g	60 g	60 g	60 g	

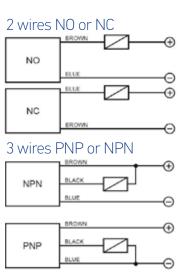




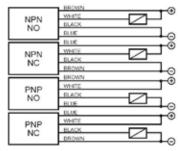




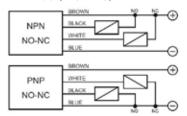
	SHOP	RT X2			
FLI		NON FLUSH			
M12 con	cable	M12 conn	cable		
4 mm	4 mm	8 mm	8 mm		
IS-12-G1-S2	IS-12-G1-03	IS-12-H1-S2	IS-12-H1-03		
95B063371	95B063361	95B063451	95B063441		
IS-12-G2-S2	IS-12-G2-03	IS-12-H2-S2	IS-12-H2-03		
95B063391	95B063381	95B063471	95B063461		
IS-12-G3-S2	IS-12-G3-03	IS-12-H3-S2	IS-12-H3-03		
95B063331	95B063321	95B063411	95B063401		
IS-12-G4-S2	IS-12-G4-03	IS-12-H4-S2	IS-12-H4-03		
95B063351	95B063341	95B063431	95B063421		
IS-12-G5-S2	IS-12-G5-03	IS-12-H5-S2	IS-12-H5-03		
95B062691	95B062681	95B062771	95B062761		
IS-12-G6-S2	IS-12-G6-03	IS-12-H6-S2	IS-12-H6-03		
95B062671	95B062661	95B062751	95B062741		
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.)					
< 10 mA	< 10 mA	< 10 mA	< 10 mA		
< 1,2 V (I=100mA)					
Yellow	Yellow	Yellow	Yellow		
00 Hz/200 Hz (4 wires NO-NC)	500 Hz/200 Hz (4 wires NO-NC)	500 Hz/200 Hz (4 wires NO-NC)	500 Hz/200 Hz (4 wires NO-NC)		
< 75 ms	< 75 ms	< 75 ms	< 75 ms		
< 3%	< 3%	< 3%	< 3%		
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)		
Against polarity reversal inductive loads					
(-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 4 x 0,25 mm²		3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass		
LCP	LCP	LCP	LCP		
* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog		
	110 g		110 g		
60 g		60 g			



#### 4 wires (PNP/NPN, NO/NC)



#### 4 wires (NO+NC)



#### M12 connector connections



#### 2 wires NO or NC

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

#### 3 wires

C	ONTACTS	CONFIGU	RATION		
Bulletin Street	Contacts numbers				
Available	1	2	3	4	
(NO or NC)	+		-	NONC	

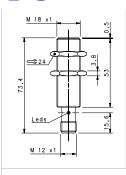
#### 4 wires (PNP/NPN, NO/NC)

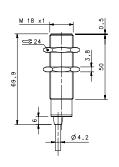
		Contacts	numbers	
Output	1	2	-3	4
NPN NO	+	NO	-	-
NPN NC	-	NC.	+	-
PNP NO	+	+	-	NO
PNP NC		+	+	NO

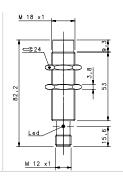
#### 4 wires (NO+NC)

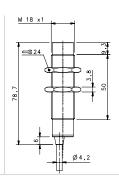
****		Contacts	numbers.	
Available	1	2	3	- 4
(NO+NC)	+	NC.	-	NO





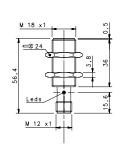


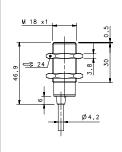


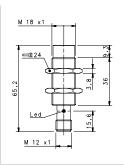


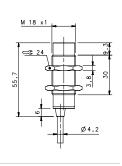
					STAN	IDARD	
				FLU		NON I	FLUSH
				M12 conn	cable	M12 conn	cable
IOMINAL SWITCI	HING DISTAN	ICE		5 mm	5 mm	8 mm	8 mm
10-30 Vdc	PNP/NPN	4 wires		IS-18-A0-S2	IS-18-A0-03	IS-18-C0-S2	IS-18-C0-03
10-30 Vac	NO-NC	4 WII es	order No.	95B064260	95B064230	95B064280	95B064240
10 20 1/4-	PNP	2		IS-18-A1-S2	IS-18-A1-03	IS-18-C1-S2	IS-18-C1-03
10-30 Vdc	N0	3 wires	order No.	95B061351	95B061341	95B061751	95B061741
10.20.1/4-	PNP	2		IS-18-A2-S2	IS-18-A2-03	IS-18-C2-S2	IS-18-C2-03
10-30 Vdc	NC	3 wires	order No.	95B061371	95B061361	95B061771	95B061761
10.20.1/4	NPN	2 wires		IS-18-A3-S2	IS-18-A3-03	IS-18-C3-S2	IS-18-C3-03
10-30 Vdc	N0	3 wires	order No.	95B061311	95B061301	95B061711	95B061701
10.201/4-	NPN	2		IS-18-A4-S2	IS-18-A4-03	IS-18-C4-S2	IS-18-C4-03
10-30 Vdc	NC	3 wires	order No.	95B061331	95B061321	95B061731	95B061721
10.2014	PNP	4 wires					
10-30 Vdc	NO-NC		order No.				
10.001/1	NPN	, .					
10-30 Vdc	NO-NC	4 wires	order No.				
10.001/1	110 110	2 wires		IS-18-A9-S2	S-18-A9-03	IS-18-C9-S2	IS-18-C9-03
10-30 Vdc	NO-NC		order No.	95B063941	95B064300	95B064340	95B064310
20.050.1/ 0/1	NO						
20-250 Vac/Vdc	N0	2 wires	order No.				
20.050.1/ 0/1	110						
20-250 Vac/Vdc	NC	2 wires	order No.				
20.0501/	NO.	0/0					
20-250 Vac	N0	2/3 wires	order No.				
10.001/1	Analog 0-20						
10-30 Vdc	mA	3 wires	order No.				
NIANALID	NIAMUD	2					
NAMUR amplifier	NAMUR	2 wires	order No.				
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%	< 10%
Max. Output Current				200 mA	200 mA	200 mA	200 mA
Min. Output Current				> 1,6 mA (2wires ver.)			

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 mA	200 mA	200 mA	200 mA
Min. Output Current	> 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 Frequency	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)	1000 Hz/200 Hz (2 wires NO-NC)
Start Up Delay	< 50 ms	< 50 ms	< 50 ms	< 50 ms
Repeatability	< 3%	< 3%	< 3%	< 3%
Short Circuit Protection	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit	(-25 +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 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>
Housing Material	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Active face	LCP	LCP	LCP	LCP
Tightening torque	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
Weight - Cable Output		145g		145g
Weight - Connector Output	95g		95g	



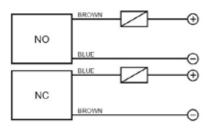




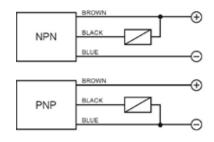


#### SHORT M12 conn M12 conn cable cable 5 mm 5 mm 8 mm 8 mm IS-18-B1-S2 IS-18-B1-03 IS-18-D1-S2 IS-18-D1-03 95B062151 95B062141 95B062551 95B062541 IS-18-B2-S2 IS-18-B2-03 IS-18-D2-S2 IS-18-D2-03 95B062161 95B062171 95B062571 95B062561 IS-18-B3-03 IS-18-D3-S2 IS-18-D3-03 IS-18-B3-S2 95B062111 95B062101 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 < 10 mA < 10 mA < 10 mA < 10 mA < 1,8 V (I=100mA) < 1,8 V (I=100mA) < 1,8 V (I=100mA) < 1,8 V (I=100mA) Yellow Yellow Yellow Yellow 1000 Hz 1000 Hz 1000 Hz 1000 Hz < 50 ms < 50 ms < 50 ms < 50 ms < 3% < 3% < 3% < 3% Present (self-resetting) Present (self-resetting) Present (self-resetting) Present (self-resetting) Against polarity reversal Against polarity reversal Against polarity reversal Against polarity reversal inductive loads inductive loads inductive loads inductive loads (-25 ... +60 °C) (-25 ... +60 °C) (-25 ... +60 °C) (-25 ... +60 °C) IP67 IP67 IP67 IP67 2 m 2 m 3 x 0,14 mm<sup>2</sup> 3 x 0,14 mm<sup>2</sup> Nickel-plated brass Nickel-plated brass Nickel-plated brass Nickel-plated brass

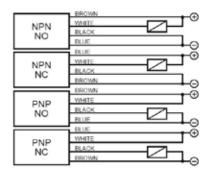
#### 2 wires NO or NC



#### 3 wires PNP or NPN



#### 4 wires (PNP/NPN, NO/NC)



#### M12 connector - connections



#### 2 wires NO or NC

A salable	Contacts numbers				
Available	1	2	3	4	
NO	+		-		
NC			+		

#### 3 wires

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

#### 4 wires (PNP/NPN, NO/NC)

Output		Contacts	numbers	
Output	11	2	- 3	4
NPN NO	+	NO	_	-
NPN NC	-	NC	+	-
PNP NO	+	+:	i	NO
PNP NC	-	+	+	NC

LCP

see page 5 of the Inductive

Sensors Catalog

95g

LCP

see page 5 of the Inductive

Sensors Catalog

145g

LCP

see page 5 of the Inductive

Sensors Catalog

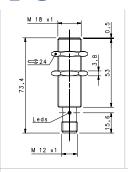
95g

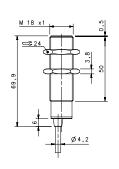
LCP

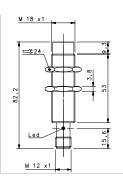
see page 5 of the Inductive Sensors Catalog

145g

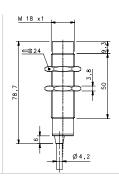








STANDARD X2

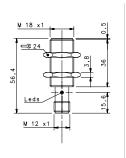


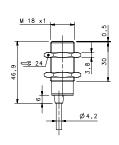
				FLUSH		NON FLUSH		
				M12 conn	cable	M12 conn	cable	
IOMINAL SWITC	HING DISTAN	NCE		8 n	nm	14	mm	
10.201/-	PNP/NPN	/i		IS-18-E0-S2	IS-18-E0-03	IS-18-F0-S2	IS-18-F0-03	
10-30 Vdc	NO-NC	4 wires	order No.	95B067310	95B067270	95B067330	95B067290	
0.001/1	PNP			IS-18-E1-S2	IS-18-E1-03	IS-18-F1-S2	IS-18-F1-03	
0-30 Vdc	NO	3 wires	order No.	95B067050	95B067810	95B067040	95B067880	
0.001/1	PNP			IS-18-E2-S2	IS-18-E2-03	IS-18-F2-S2	IS-18-F2-03	
0-30 Vdc	NC	3 wires	order No.	95B067780	95B067820	95B067850	95B067890	
	NPN			IS-18-E3-S2	IS-18-E3-03	IS-18-F3-S2	IS-18-F3-03	
0-30 Vdc	NO	3 wires	order No.	95B067790	95B067830	95B067860	95B067900	
	NPN			IS-18-E4-S2	IS-18-E4-03	IS-18-F4-S2	IS-18-F4-03	
0-30 Vdc	NC	3 wires	order No.	95B067800	95B067840	95B067870	95B067910	
0-30 Vdc	PNP	4 wires						
0-30 vuc	NO-NC	4 WII es	order No.					
0-30 Vdc	NPN	4 wires						
U-30 Vac	NO-NC	4 WIFES	order No.					
0.30.1/4-	NO NO	2		IS-18-E9-S2	IS-18-E9-03	IS-18-F9-S2	IS-18-F9-03	
0-30 Vdc	NO-NC	2 wires	order No.	95B067320	95B067280	95B067340	95B067300	
0.050.1/ 0/1	110							
0-250 Vac/Vdc	N0	2 wires	order No.					
0-250 Vac/Vdc	NC	2 wires	order No.					
		0.00						
0-250 Vac	NO	2/3 wires	order No.					
	Analog 0-20							
0-30 Vdc	mA	3 wires	order No.					
IAMUDI:C	NAMED	2						
IAMUR amplifier	NAMUR	2 wires	order No.					
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple		< 10%	< 10%	< 10%	< 10%			
lysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Current		200 mA	200 mA	200 mA	200 mA			
Min. Output Current					200111A			
Residual Current		< 10 mA	< 10 mA	< 10 mA	< 10 mA			
oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	
peration Led				Yellow	Yellow	Yellow	Yellow	
witching Frequenc				400 Hz	400 Hz	100 Hz	100 Hz	
wnching Frequenc tart Up Delay	,			< 50 ms	< 50 ms	< 50 ms	< 50 ms	
epeatability				< 3%	< 3%	< 3%	< 3%	
epeatablity hort Circuit Protec	etion			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
	tion			Against polarity reversal	Against polarity reversal	Against polarity reversal	Against polarity reversal	
lectric Protection				inductive loads	inductive loads	inductive loads	inductive loads	
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
rotection Degree				IP67	IP67	IP67	IP67	
able Length								
able Section					2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>	
lousing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
ctive face				LCP	LCP	LCP	LCP	
ightening torque				* see page 5 of the Inductive	* see page 5 of the Inductive	* see page 5 of the Inductive	* see page 5 of the Inductiv	
				Sensors Catalog	Sensors Catalog	Sensors Catalog	Sensors Catalog	
Weight - Cable Outp	ut					145g	145g	

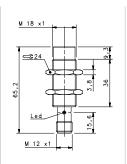
95g

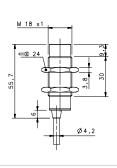
Weight - Connector Output

95g

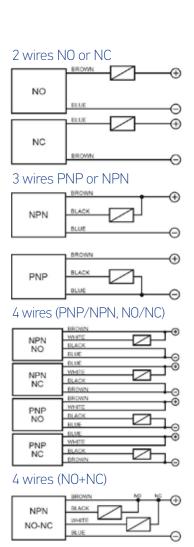








	SHO	RT X2			
FL		NON FLUSH			
M12 conn	cable	M12 conn	cable		
8 mm	8 mm	14 mm	14 mm		
IS-18-G1-S2	IS-18-G1-03	IS-18-H1-S2	IS-18-H1-03		
95B063531	95B063521	95B063611	95B063601		
IS-18-G2-S2	IS-18-G2-03	IS-18-H2-S2	IS-18-H2-03		
95B063551	95B063541	95B063631	95B063621		
IS-18-G3-S2	IS-18-G3-03	IS-18-H3-S2	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		
10. 20 Vda / 15/100/	10.20 Vda / 15/100/)	10.20 \/da / 15/100/\	10.20.\/da / 1E/100/\		
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%) < 10%	10-30 Vdc (-15/10%)		
< 10% < 10%	< 10% < 10%	< 10%	< 10% < 10%		
			200 mA		
200 mA > 1,6 mA (2wires ver.)	200 mA > 1,6 mA (2wires ver.)	200 mA > 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/100 Hz (4 wires NO-NC)	400 Hz/100 Hz (4 wires NO-NC)	400 Hz/100 Hz (4 wires NO-NC)	400 Hz/100 Hz (4 wires NO-NO		
< 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	Against polarity reversal	Against polarity reversal	Against polarity reversal		
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 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass		
LCP	LCP	LCP	LCP		
* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog		
	145g		145g		
95g		95g			



### M12 connector connections

PNP NO-NC

#### 2 wires NO or NC

Acceptance of	Contacts numbers				
AVBRIBDING	1	2	3	- 4	
NO	+				
NC	_		+		

#### 3 wires

C	ONTACTS	CONFIGU	RATION		
Available	Contacts numbers				
Available .	1	2 3	4		
(NO or NC)	+		-	NOINC	

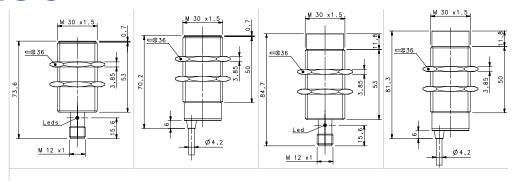
#### 4 wires (PNP/NPN, NO/NC)

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

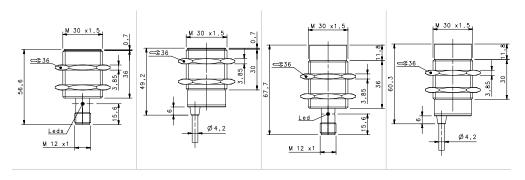
#### 4 wires (NO+NC)

Academic .	Contacts numbers				
HURINACIN.	1.5	2	3	4	
(NO + NC)	+	NC.	-	NO	





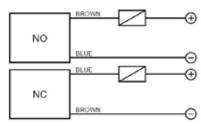
					STAN	DARD		
				FLU		NON FLUSH		
				M12 conn	cable	M12 conn	cable	
NOMINAL SWITC	HING DISTAN	ICE		10 mm	10 mm	15 mm	15 mm	
10.001/1	PNP/NPN	, .		IS-30-A0-S2	IS-30-A0-03	IS-30-C0-S2	IS-30-C0-03	
10-30 Vdc	NO-NC	4 wires	order No.	95B064490	95B064460	95B064510	95B064470	
10-30 Vdc	PNP	3 wires		IS-30-A1-S2	IS-30-A1-03	IS-30-C1-S2	IS-30-C1-03	
10-30 vuc	N0	3 WIIES	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	0 111100	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	
	N0		order No.	95B061391	95B061381	95B061791	95B061781	
10-30 Vdc	NPN NC	3 wires	l NI.	IS-30-A4-S2	IS-30-A4-03	IS-30-C4-S2	IS-30-C4-03	
	-		order No.	95B061411	95B061401	95B061811	95B061801	
10-30 Vdc	PNP NO-NC	4 wires	order No.					
	-		order No.					
10-30 Vdc	NPN NO-NC	4 wires	order No.					
			0.401110.	IS-30-A9-S2	IS-30-A9-03	IS-30-C9-S2	IS-30-C9-03	
10-30 Vdc	NO-NC	2 wires	order No.	95B064570	95B064530	95B064590	95B064550	
20-250 Vac/Vdc	N0	2 wires	order No.					
20-250 Vac/Vdc	NC	2						
ZU-Z5U VAC/VQC	NC	2 wires	order No.					
20-250 Vac	NO	2/3 wires						
20-230 Vac	INO	Z/3 WIIES	order No.					
10-30 Vdc	Analog 0-20	3 wires						
	mA	0 111100	order No.					
NAMUR amplifier	NAMUR	2 wires	order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
Hysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Current				200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	200mA; 100 mA (2wires)	
Min. Output Current				> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)	> 1,6 mA (2wires)	
Residual Current				< 1,6 mA	< 1,6 mA < 1.8V: < 6.5 V (2wires)	< 1,6 mA	< 1,6 mA	
Voltage Drop Operation Led				< 1,8V; < 6,5 V (2wires) Yellow	Yellow	< 1,8V; < 6,5 V (2wires) Yellow	< 1,8V; < 6,5 V (2wires) Yellow	
operation Lea Switching Frequenc	w			300 Hz/250 Hz (2 wires NO-NC)		300 Hz/250 Hz (2 wires NO-NC)	300 Hz/250 Hz (2 wires NO-N	
Start Up Delay	,			< 50 ms	< 50 ms	< 50 ms	< 50 ms	
Repeatability				< 3%	< 3%	< 3%	< 3%	
Short Circuit Protec	tion			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	IP67	IP67	
Cable Length					2 m		2 m	
Cable Section					2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>	
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Active face				LCP	LCP	LCP	LCP	
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	
Weight - Cable Outpu					210 g		210 g	
Weight - Connector (	Output			170 g		170 g		



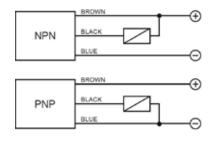
#### SHORT M12 conn M12 conn cable cable 10 mm 15 mm 15 mm 10 mm IS-30-B1-S2 IS-30-B1-03 IS-30-D1-S2 IS-30-D1-03 95B062231 95B062221 95B062631 95B062621 IS-30-B2-S2 IS-30-B2-03 IS-30-D2-S2 IS-30-D2-03 95B062241 95B062251 95B062651 95B062641 IS-30-B3-03 IS-30-D3-S2 IS-30-D3-03 IS-30-B3-S2 95B062191 95B062181 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 Against polarity reversal Against polarity reversal Against polarity reversal inductive loads inductive loads inductive loads inductive loads (-25 ... +60 °C) (-25 ... +60 °C) (-25 ... +60 °C) (-25 ... +60 °C) IP67 IP67 IP67 IP67 2 m 2 m 3 x 0,14 mm<sup>2</sup> 3 x 0,14 mm<sup>2</sup> Nickel-plated brass Nickel-plated brass Nickel-plated brass Nickel-plated brass LCP LCP LCP LCP see page 5 of the Inductive Sensors Catalog Sensors Catalog Sensors Catalog Sensors Catalog

210 g

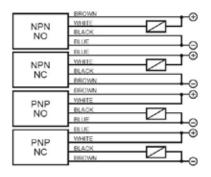
#### 2 wires NO or NC



#### 3 wires PNP or NPN



#### 4 wires (PNP/NPN, NO/NC)



#### M12 connector - connections



#### 2 wires NO or NC

tunitable.	Contacts numbers				
Available	3	2	3	4	
NO	*		-		
NC			+		

#### 3 wires

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

#### 4 wires (PNP/NPN, NO/NC)

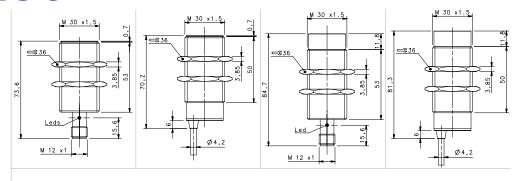
Output		Contacts	numbers	
Output	010	2	- 3	4
NPN NO	+	NO	_	-
NPN NC	-	NC	+	-
PNP NO	+	+	1 <del>0</del> .0	NO
PNP NC	-	+	+	NO

170 g

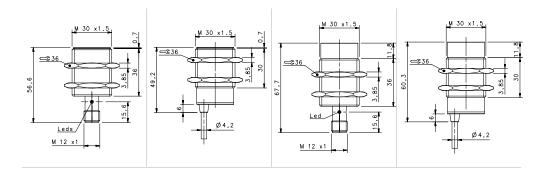
210 g

170 g

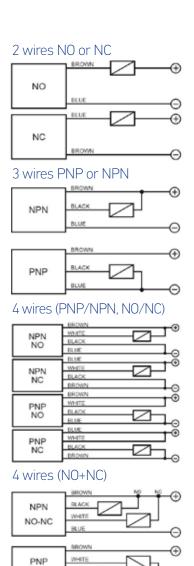




					STAND	ARD X2	X2									
				FLI		NON-	FLUSH									
				M12 conn	cable	M12 conn	cable									
IOMINAL SWITC	HING DISTAN	ICE		15mm	15mm	20 mm	20 mm									
	PNP/NPN			IS-30-E0-S2	IS-30-E0-03	IS-30-F0-S2	IS-30-F0-03									
10-30 Vdc	NO-NC	4 wires	order No.	95B067390	95B067350	95B067410	95B067370									
	PNP			IS-30-E1-S2	IS-30-E1-03	IS-30-F1-S2	IS-30-F1-03									
10-30 Vdc	NO	3 wires	order No.	95B067060	95B067950	95B067990	95B068030									
	PNP			IS-30-E2-S2	IS-30-E2-03	IS-30-F2-S2	IS-30-F2-03									
10-30 Vdc	NC	3 wires	order No.	95B067920	95B067960	95B068000	95B068040									
	NPN			IS-30-E3-S2	IS-30-E3-03	IS-30-F3-S2	IS-30-F3-03									
10-30 Vdc	NO	3 wires	order No.	95B067930	95B067970	95B068010	95B068050									
	NPN			IS-30-E4-S2	IS-30-E4-03	IS-30-F4-S2	IS-30-F4-03									
10-30 Vdc	NC	3 wires	order No.	95B067940	95B067980	95B068020	95B068060									
	PNP															
10-30 Vdc	NO-NC	4 wires	order No.													
	NPN		Oraci ito.													
10-30 Vdc	NO-NC	4 wires	order No.													
			oraci ivo.	IS-30-E9-S2	IS-30-E9-03	IS-30-F9-S2	IS-30-F9-03									
10-30 Vdc	NO-NC	2 wires	order No.	95B067400	95B067360	95B067420	95B067380									
			Order 140.	735007400	735007300	735007420	735007300									
20-250 Vac/Vdc	NO	2 wires	order No.													
			order No.													
20-250 Vac/Vdc	NC	NC	NC	NC	NC	NC	NC	NC	NC	: NC	2 wires	order No.				
			order No.													
20-250 Vac	NO	2/3 wires	NI -													
	Analog 0-20 3 w		order No.													
10-30 Vdc		3 wires	1 1													
	IIIA		order No.													
NAMUR amplifier NAMUR 2 wires order No.																
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)									
Residual Ripple				< 10%	< 10%	< 10%	< 10%									
Hysteresis				< 10%	< 10%	< 10%	< 10%									
Max. Output Current				200 mA	200 mA	200 mA	200 mA									
Min. Output Current																
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA									
Voltage Drop				< 6,5 V (I=100mA)	< 6,5 V (I=100mA)	< 6,5 V (I=100mA)	< 6,5 V (I=100mA)									
Operation Led				Yellow	Yellow	Yellow	Yellow									
Switching Frequenc	y			200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-NC)	200 Hz/100 Hz (2 wires NO-N									
Start Up Delay				< 75 ms	< 75 ms	< 75 ms	< 75 ms									
Repeatability				< 3%	< 3%	< 3%	< 3%									
Short Circuit Protection				Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)									
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads									
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)									
Protection Degree		IP67	IP67	IP67	IP67											
Cable Length																
Cable Section					2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>		2 x 0,34 mm <sup>2</sup> 3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>									
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass									
Active face				LCP	LCP	LCP	LCP									
				* see page 5 of the Inductive	* see page 5 of the Inductive	* see page 5 of the Inductive	* see page 5 of the Inductive									
Tightening torque				Sensors Catalog	Sensors Catalog	Sensors Catalog	Sensors Catalog									
Weight - Cable Outpu	ut															
Weight - Connector (	Output			170 g	170 g	170 g	170 g									



	SHOF	RT X2	
FLU		NON F	LUSH
M12 conn	cable	M12 conn	cable
15mm	15mm	20 mm	20 mm
IS-30-G1-S2	IS-30-G1-03	IS-30-H1-S2	IS-30-H1-03
95B063691	95B063681	95B063771	95B063761
IS-30-G2-S2	IS-30-G2-03	IS-30-H2-S2	IS-30-H2-03
95B063711	95B063701	95B063791	95B063781
IS-30-G3-S2	IS-30-G3-03	IS-30-H3-S2	IS-30-H3-03
95B063651	95B063641	95B063731	95B063721
IS-30-G4-S2	IS-30-G4-03	IS-30-H4-S2	IS-30-H4-03
95B063671	95B063661	95B063751	95B063741
IS-30-G5-S2	IS-30-G5-03	IS-30-H5-S2	IS-30-H5-03
95B063831	95B063821	95B064450	95B064420
IS-30-G6-S2	IS-30-G6-03	IS-30-H6-S2	IS-30-H6-03
95B064430	95B064400	95B064440	95B064410
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 200 Hz	Yellow
200 Hz	200 Hz		200 Hz
< 75 ms	< 75 ms	< 75 ms	< 75 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting) Against polarity reversal	Present (self-resetting)  Against polarity reversal	Present (self-resetting)  Against polarity reversal	Present (self-resetting)  Against polarity reversal
inductive loads	inductive loads	inductive loads	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 4 x 0,25 mm²		3 x 0,14 mm <sup>2</sup> 4 x 0,25 mm <sup>2</sup>
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
LCP	LCP	LCP	LCP
see page 5 of the Inductive	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
Sensors Catalog	Jensons Calalog	ochool o datatog	ochoors outdrog



### M12 connector connections

NO-NC

#### 2 wires NO or NC

words and a	CONTACTS CONFIGURATION  Contacts numbers					
Available	1	2	3	4		
NO	+		-			
NC	-		+			

#### 3 wires

C	ONTACTS	CONFIGU	RATION			
Australia	Contacts numbers					
Available	1	2	3	4		
(NO or NC)	+	100.0	+	NO/NC		

#### 4 wires (PNP/NPN, NO/NC)

Output		Contacts	numbers	
Output	1	2	-3	4
NPN NO	+	NO	37	-
NPN NC	-	NC.	+	-
PNP NO	+	+	-	NO
PNP NC		+	+	NO

#### 4 wires (NO+NC)

Academic .	Contacts numbers				
HVBDSCIE.	1.5	2	3	4	
(NO+NC)	+	NC.		NO	

Stainless Steel housing
M4, M5 POM active face - M6,5, M8, M12, M18, M30 LCP active face
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
IP69K protection

#### REDUCTION FACTOR

	ALUMINUM (25°C)	STAINLESS STEEL AISI316L	COPPER	BRASS
FLUSH	0,30,5	0,70,9	0,20,5	0,40,6
NON-FLUSH	0,40,6	0,71,05	0,40,5	0,50,7

M12/18/30 models are Diversey and ECOLAB tested



\*Excluded M4 and M5 models



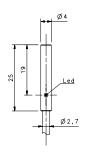
# STAINLESS STEEL





### STAINLESS STEEL M4

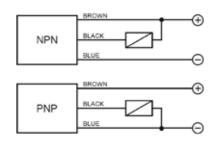




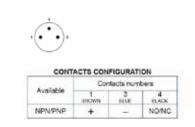
				OTANDAND	
				FLUSH	
				cable	
NOMINAL SWITCH	HING DISTAN	ICE		0,8 mm	
10-30 Vdc	PNP/NPN	4 wires			
10-30 vac	NO-NC	4 WII C3	order No.		
10-30 Vdc	PNP	3 wires		IS-04-A1-03	
10 00 140	N0	o wiico	order No.	95B061011	
10-30 Vdc	PNP	3 wires			
10 00 140	NC	o wiico	order No.		
10-30 Vdc	NPN	3 wires		IS-04-A3-03	
10-30 vuc	NO		order No.	95B061001	
10-30 Vdc	NPN	3 wires			
10-30 vuc	NC	J WII CS	order No.		
10-30 Vdc	PNP	4 wires			
10-30 vuc	NO-NC	4 WII es	order No.		
10-30 Vdc	NPN	4 wires			
10-30 vuc	NO-NC	4 WII es	order No.		
10-30 Vdc	NO-NC	2 wires			
10-30 vuc	INO-INC	Z WII es	order No.		
20-250 Vac/Vdc	NO	2 wires			
20-230 vac/ vuc	INO	Z WIIES	order No.		
20-250 Vac/Vdc	NC	2 wires			
20-230 vac/ vuc	INC	2 WII C3	order No.		
20-250 Vac	NO	2/3 wires			
20-230 vdC	140	2/3 VVIICS	order No.		
10-30 Vdc	Analog 0-20	3 wires			
10-50 Vuc	mA	2 WIIES	order No.		
NAMUR amplifier	NAMUR	2 wires			
NAMOR ampuller	NAMOR	2 WII eS	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	
Repeatability	< 1%
Short Circuit Protection	Present (self-resetting)
Electric Protection	Against polarity reversal inductive loads
Temperature Limit	(-25 +70 °C)
Protection Degree	IP69K
Cable Length	2 m (PUR)
Cable Section	3x 0,15 mm <sup>2</sup>
Housing Material	Stainless-Steel
Active face	POM
Tightening torque	
Weight - Cable Output	50 g
Weight - Connector Output	

#### 3 wires PNP or NPN

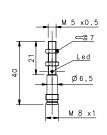


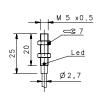
#### M8 3 pole



### **STAINLESS STEEL M5**





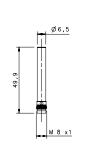


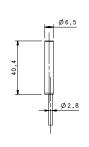


				STAN	DARD	STANDARD X2	
				FLU	JSH	FLUSH	
				M8 conn	cable	cable	
OMINAL SWITCH	ING DISTANCE			0,8 mm	0,8 mm	1,5 mm	
0-30 Vdc	PNP/NPN	4 wires					
0-30 vuc	NO-NC	4 WII 63	order No.				
0-30 Vdc	PNP	3 wires		IS-05-A1-S1	IS-05-A1-03		
J-30 Vuc	N0	2 MILE2	order No.	95B061051	95B061041		
0-30 Vdc	PNP	3 wires					
7 30 vuc	NC	5 WIICS	order No.				
0-30 Vdc	NPN	3 wires		IS-05-A3-S1	IS-05-A3-03	IS-05-E3-03	
, 50 vac	NO	5 WIICS	order No.	95B061031	95B061021	95B065400	
0-30 Vdc	NPN	3 wires			IS-05-A4-03		
, 55 vuc	NC	2 MILES	order No.		95B065420		
0-30 Vdc	PNP	4 wires					
, 55 vac	NO-NC	- AAIICO	order No.				
0-30 Vdc	NPN	4 wires					
, 50 vuc	NO-NC	- WILES	order No.				
)-30 Vdc	NO-NC	2 wires					
J-30 VUC	140-140	Z WITES	order No.				
0-250 Vac/Vdc	N0	2 wires					
J-250 Vac/Vuc	INU	2 WITES	order No.				
0-250 Vac/Vdc	NC	2 wires					
J-230 Vac/ Vuc	INC	Z WITES	order No.				
)-250 Vac	N0	2/3 wires					
7-230 Vac	110 2/3W	Z/3 WIIES	order No.				
)-30 Vdc	Analog 0-20 mA	3 wires					
J-30 Vuc		3 WILES	order No.				
AMUR amplifier	NAMUR	2 wires					
Амок априне	NAMOR	2 Wiles	order No.				
ominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
esidual Ripple				< 10%	< 10%	< 10%	
ysteresis				< 15%	< 15%	< 15%	
					100 mA	100 mA	
ax. Output Current in. Output Current				100 mA	100 mA	100 MA	
un. Output Current esidual Current				< 0,01 mA	< 0,01 mA	< 0,01 mA	
esiauai current oltage Drop				< 0,01 mA < 1,5V	< 0,01 mA < 1,5V	< 0,01 MA < 1,5V	
peration Led				Yellow	Yellow	Yellow	
veration Lea witching Frequenc	•1/			2000 Hz	2000 Hz	2000 Hz	
	y			2000 H2	2000 H2	2000 HZ	
tart Up Delay				< 1%	< 1%		
Repeatability Short Circuit Protection			Present (self-resetting)	< 1%  Present (self-resetting)	Present (self-resetting)		
SHOTE CITCUIT FIGURECTION		-					
Electric Protection			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads		
mperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
rotection Degree				IP69K	IP69K	IP69K	
able Length					2 m (PUR)	2 m (PUR)	
Cable Section					3x 0,15 mm <sup>2</sup>	3x 0,15 mm <sup>2</sup>	
				Stainless-Steel	Stainless-Steel	Stainless-Steel	
ousing Material							
				POM	POM	РОМ	
ousing Material					P0M 1,5 Nm	P0M 1,5 Nm	

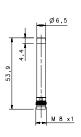
### **STAINLESS STEEL M6,5**

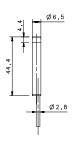






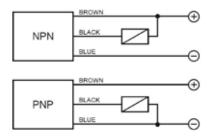
				SHORT STAINLESS STEEL					
				FLUSH					
				M8 conn	cable				
OMINAL SWITCI	HING DISTAN	ICE		1,5 mm	1,5 mm				
10-30 Vdc	PNP/NPN	4 wires							
	NO-NC	- WIIES	order No.						
10-30 Vdc	PNP N0	3 wires		IS-65-M1-S1	IS-65-M1-03				
			order No.	95B066080	95B064760				
10-30 Vdc PN	PNP	3 wires		IS-65-M2-S1	IS-65-M2-03				
			order No.	95B066120	95B064800				
10-30 Vdc	NPN NO	3 wires		IS-65-M3-S1	IS-65-M3-03				
			order No.	958066000	95B064680				
10-30 Vdc	NPN NC	3 wires		IS-65-M4-S1	IS-65-M4-03				
			order No.	95B066040	95B064720				
10-30 Vdc	PNP NO NC	4 wires	and a M						
	NO-NC		order No.						
0-30 Vdc	NPN NO-NC	4 wires	and a M						
	INU-INC		order No.						
0-30 Vdc	NO-NC	2 wires	1 1						
			order No.						
0-250 Vac/Vdc	NO NO	2 wires							
			order No.						
0-250 Vac/Vdc	NC	2 wires	1 1						
			order No.						
0-250 Vac	N0	2/3 wires	1 1						
			order No.						
10-30 Vdc	Analog 0-20	3 wires	1 1						
	mA		order No.						
NAMUR amplifier	NAMUR	2 wires	I NI						
			order No.						
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)				
				< 10%	< 10%				
esidual Ripple				< 10%	< 10%				
lysteresis Iax. Output Currei	-4			200 mA	200 mA				
-				200 IIIA	Z00 IIIA				
Min. Output Curre Residual Current	nı			< 10 mA	 < 10 mA				
oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)				
peration Led				Yellow	Yellow				
iperation Lea Switching Frequei	nev			1000 Hz	1000 Hz				
	псу			< 50 ms	< 50 ms				
Start Up Delay				< 3%	< 3%				
Repeatability Short Circuit Prot	ection			Present (self-resetting)	< 5% Present (self-resetting)				
Short Circuit Protection									
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads				
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)				
Protection Degree				IP69K	IP69K				
Cable Length									
Cable Section					3x 0,14 mm <sup>2</sup>				
Housing Material				Stainless-Steel	Stainless-Steel				
Active face				LCP	LCP				
ightening torque									
Weight - Cable Output					80 g				
Weight - Connector Output				40 g					



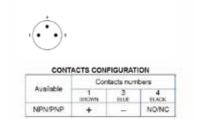


SHORT STA	INLESS STEEL								
NON FLUSH									
M8 conn	cable								
2 mm	2 mm								
IS-65-N1-S1	IS-65-N1-03								
95B066240	95B064920								
IS-65-N2-S1	IS-65-N2-03								
95B066280	95B064960								
IS-65-N3-S1	IS-65-N3-03								
95B066160	95B064840								
IS-65-N4-S1 95B066200	IS-65-N4-03 95B064880								
73000200	73004000								
<del></del>									
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								
Present (self-resetting)	Present (self-resetting)								
Against polarity reversal	Against polarity reversal								
inductive loads	inductive loads								
(-25 +70 °C)	(-25 +70 °C)								
IP69K	IP69K								
	3x 0,14 mm²								
Stainless-Steel	Stainless-Steel								
LCP	LCP								
	80 g								
40 g									

#### 3 wires PNP or NPN

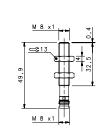


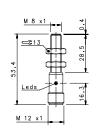
#### M8 3 pole

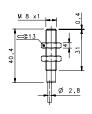


### **STAINLESS STEEL M8**



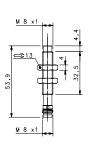


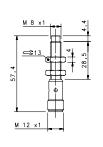


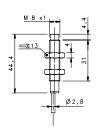


				5	SHORT STAINLESS STEEL			
					FLUSH			
				M8 conn	M12 conn	cable		
NOMINAL SWITCHING DISTANCE				1,5 mm	1,5 mm	1,5 mm		
10-30 Vdc	PNP/NPN	4 wires	and an Nia					
	NO-NC		order No.					
10-30 Vdc	PNP N0	3 wires	d NI -	IS-08-M1-S1	IS-08-M1-S2	IS-08-M1-03		
10-30 Vdc	PNP NC	3 wires	order No.	95B066870	95B066600	95B066380		
			andan Na	IS-08-M2-S1 95B066900	IS-08-M2-S2 95B066630	IS-08-M2-03 95B066600		
			order No.					
0-30 Vdc	NPN NO	3 wires	andan Na	IS-08-M3-S1	IS-08-M3-S2	IS-08-M3-03		
			order No.	95B066820	95B066540	95B066340		
10-30 Vdc	NPN NC	3 wires	NI -	IS-08-M4-S1	IS-08-M4-S2	IS-08-M4-03		
			order No.	95B066840	95B066570	95B066360		
0-30 Vdc	PNP	4 wires	and an Min					
	NO-NC		order No.					
0-30 Vdc	NPN NO-NC	4 wires	and Al					
	NU-NC		order No.					
10-30 Vdc	NO-NC	2 wires						
			order No.					
0-250 Vac/Vdc	N0	2 wires						
		2 111100	order No.					
20-250 Vac/Vdc	NC	2 wires						
			order No.					
0-250 Vac	N0	2/3 wires						
200 140			order No.					
10-30 Vdc	Analog 0-20	3 wires						
	mA		order No.					
NAMUR amplifier	NAMUR	2 wires						
o arrors arripanter			order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)		
esidual Ripple				< 10%	< 10%	< 10%		
lysteresis				< 10%	< 10%	< 10%		
Aax. Output Current				200 mA	200 mA	200 mA		
lin. Output Current								
Residual Current				< 10 mA	< 10 mA	< 10 mA		
oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)		
peration Led				Yellow	Yellow	Yellow		
witching Frequenc	у			1000 Hz	1000 Hz	1000 Hz		
Start Up Delay				< 50 ms	< 50 ms	< 50 ms		
Repeatability				< 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				IP69K	IP69K	IP69K		
Cable Length								
Cable Section						3x 0,14 mm <sup>2</sup>		
Housing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel		
Active face				LCP	LCP	LCP		
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Cat		
Weight - Cable Output				page 5 5. a.c madeline sensors sututog		80 a		

Tightening torque Weight - Cable Output Weight - Connector Output

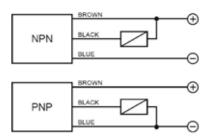






S	HORT STAINLESS STE	EL
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-N1-S1	IS-08-N1-S2	IS-08-N1-03
95B066980	95B066710	95B066490
IS-08-N2-S1	IS-08-N2-S2	IS-08-N2-03
95B067010	95B066730	95B066510
IS-08-N3-S1	IS-08-N3-S2	IS-08-N3-03
95B066930	95B066660	95B066440
IS-08-N4-S1	IS-08-N4-S2	IS-08-N4-03
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)
IP69K	IP69K	IP69K
		3x 0,14 mm²
Stainless-Steel	Stainless-Steel	Stainless-Steel
LCP	LCP	LCP
·		
see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalo
		80 g

### 3 wires PNP or NPN



### M123 pole



C	ONTACTS	CONFIGU	RATION	
Available	Contacts numbers			
AVAILABILE .	1	2	3	4
(NO or NC)	+		77.0	NOING

### M8 3 pole

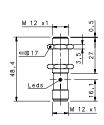


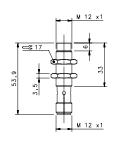
CONT	ACTS CON	FIGURAT	ION
27.0724.11	Con	tacts nur	bers
Available	1 BROWN	3 HUE	HACK
NPN/PNP	+	=	NONC

35g

## **STAINLESS STEEL M12**

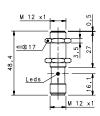


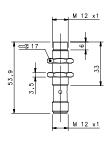




				SHORT STAINLESS STEEL		
				FLUSH	NON FLUSH	
				M12 conn	M12 conn	
IOMINAL SWITC	HING DISTAN	ICE		2 mm	4 mm	
10-30 Vdc	PNP/NPN	4 wires				
10-30 vuc	NO-NC	4 WIIC3	order No.			
10-30 Vdc	PNP	3 wires		IS-12-M1-S2	IS-12-N1-S2	
10-30 vuc	N0	3 WIIES	order No.	95B060240	95B060280	
10-30 Vdc	PNP	3 wires		IS-12-M2-S2	IS-12-N2-S2	
10-30 Vac	NC	3 WITES	order No.	95B060250	95B060290	
10 20 1/4-	NPN	2		IS-12-M3-S2	IS-12-N3-S2	
10-30 Vdc	N0	3 wires	order No.	95B060260	95B060300	
10.2014	NPN	2		IS-12-M4-S2	IS-12-N4-S2	
10-30 Vdc	NC	3 wires	order No.	95B060270	95B060310	
10.001/1	PNP	4 wires				
10-30 Vdc	NO-NC		order No.			
10.001/1	NPN NO-NC	, .				
10-30 Vdc		4 wires	order No.			
10-30 Vdc	NO NC	NO-NC 2 wires				
10-30 Vac	J-30 Vac NU-NC		order No.			
20-250 Vac/Vdc	c/Vdc NO 2 wires	Vac/Vdc NO 2 wires	2			
20-250 vac/vac		2 wires	order No.			
20-250 Vac/Vdc	NC	2 wires				
20-230 Vac/Vuc	INC	2 WITES	order No.			
20-250 Vac	NO	2/3 wires				
ZU-Z3U VAC	INU		order No.			
10.20.1/4-	Analog 0-20	3 wires				
10-30 Vdc	mA	3 wires	order No.			
NIANALIDEC	NIAMUD	2				
NAMUR amplifier	NAMUR	2 wires	order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	

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
Repeatability	< 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	IP69K	IP69K
Cable Length		
Cable Section		
Housing Material	Stainless-Steel	Stainless-Steel
Active face	LCP	LCP
Tightening torque	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
Weight - Cable Output		
Weight - Connector Output	60 g	60 g





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 (l=100mA)
Yellow	Yellow
500 Hz	500 Hz
< 75 ms	< 75 ms
< 3%	< 3%
Present (self-resetting)	Present (self-resetting)
Against polarity reversal	Against polarity reversal
Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)
IP69K	IP69K
Stainless-Steel	Stainless-Steel
LCP	LCP
* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
60 g	60 g

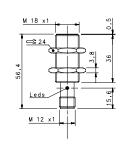
M12 3 pole

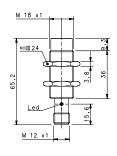


CONTACTS CONFIGURATION					
Acceptance 1		Contacts	numbers		
Available	1	2	3	4	
(NO or NC)	+		223	NOING	

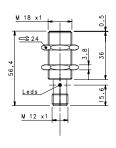
## **STAINLESS STEEL M30**

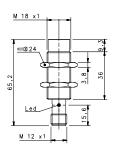






				SHORT STAINLESS STEEL		
				FLUSH	NON FLUSH	
				M12 conn	M12 conn	
OMINAL SWITC	HING DISTAN	ICE		5 mm	8 mm	
0-30 Vdc	PNP/NPN	4 wires				
	NO-NC PNP		order No.	 IS-18-M1-S2	 IS-18-N1-S2	
0-30 Vdc	NO	3 wires	order No.	95B060320	958060360	
0-30 Vdc	PNP	3 wires		IS-18-M2-S2	IS-18-N2-S2	
0 00 vac	NC	5 WIICS	order No.	95B060330	95B060370	
0-30 Vdc	NPN	3 wires		IS-18-M3-S2	IS-18-N3-S2	
0-30 vuc	N0	2 Miles	order No.	95B060340	95B060380	
0 20 1/4-	NPN	2		IS-18-M4-S2	IS-18-N4-S2	
0-30 Vdc	NC	3 wires	order No.	95B060350	95B060390	
0-30 Vdc	PNP NO-NC	4 wires	order No.			
	NPN					
0-30 Vdc	NO-NC	4 wires	order No.			
0.307/4-	NO NO	2				
0-30 Vdc	NO-NC	2 wires	order No.			
0.0501/ 0//	No					
20-250 Vac/Vdc	N0	2 wires	order No.			
0-250 Vac/Vdc	NC	2 wires				
.0 200 ¥dC/¥dC	140	7 AA11C2	order No.			
0-250 Vac	NO	2/3 wires				
			order No.			
0-30 Vdc	Analog 0-20	3 wires				
	mA		order No.			
IAMUR amplifier	NAMUR	2 wires	1. 1.			
•			order No.	<del></del>		
Iominal Voltage		1		10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	
lysteresis				< 10%	< 10%	
Max. Output Curre	ent			200 mA	200 mA	
Min. Output Curre						
Residual Current				< 10 mA	< 10 mA	
Voltage Drop				< 1,8 V (I=100mA)	< 1,8 V (I=100mA)	
Operation Led				Yellow	Yellow	
Switching Freque	ncy			1000 Hz	1000 Hz	
Start Up Delay	-			< 50 ms	< 50 ms	
Repeatability				< 3%	< 3%	
Short Circuit Prot	tection			Present (self-resetting)	Present (self-resetting)	
Electric Protection	n			Against polarity reversal inductive loads	Against polarity reversal inductive loads	
Temperature Limi	t			(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP69K	IP69K	
Cable Length						
Cable Section						
lousing Material				Stainless-Steel	Stainless-Steel	
Active face				LCP	LCP	
ightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	
Weight - Cable Ou						
Weight - Connecto				95g	95g	
				- 3		





SHORT STAIN	LESS STEEL X2
FLUSH	NON FLUSH
M12 conn	M12 conn
8 mm	14 mm
IS-18-01-S2	IS-18-P1-S2
95B060080	95B060120
IS-18-02-S2	IS-18-P2-S2
95B060090	95B060130
IS-18-03-S2 95B060100	IS-18-P3-S2 95B060140
IS-18-04-S2	IS-18-P4-S2
95B060110	95B060150
<del></del>	
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)
IP69K	IP69K
Stainless-Steel	Stainless-Steel
LCP	LCP
* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
95g	95g

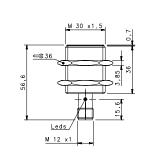
M12 3 pole

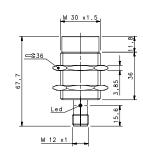


Available	Contacts numbers			
Avelebie	1	2	3	4
(NO or NC)	+		77.7	NOING

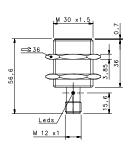
## **STAINLESS STEEL M30**

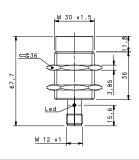






-					
				SHORT STAI	NLESS STEEL
				FLUSH	NON FLUSH
				M12 conn	M12
OMINAL SWITC	HING DISTAN	ICE		10 mm	15 mm
0-30 Vdc	PNP/NPN	4 wires			
	NO-NC		order No.		
10-30 Vdc	PNP	3 wires		IS-30-M1-S2	IS-30-N1-S2
0-30 vuc	N0	3 WIIES	order No.	95B060400	95B060440
0.201/-	PNP	2		IS-30-M2-S2	IS-30-N2-S2
0-30 Vdc	NC	3 wires	order No.	95B060410	95B060450
	NPN			IS-30-M3-S2	IS-30-N3-S2
0-30 Vdc	NO	3 wires	order No.	95B060420	95B060460
	NPN			IS-30-M4-S2	IS-30-N4-S2
0-30 Vdc	NC	3 wires	order No.	95B060430	95B060470
	PNP		oraci ivo.	73000430	735000470
0-30 Vdc	NO-NC	4 wires	order No.		
			oruer NO.		
0-30 Vdc	NPN NO-NC	4 wires	order NI-		
	140-140		order No.		
0-30 Vdc	NO-NC	2 wires	1		
			order No.		
20-250 Vac/Vdc	NO	2 wires			
200 700, 700			order No.		
20-250 Vac/Vdc	NC	2 wires			
.0 200 ¥dC/ ¥dC	140	Z WII es	order No.		
20-250 Vac	NO	2/3 wires			
.U-ZJU VaC	INO	Z/3 WILES	order No.		
0-30 Vdc	Analog 0-20	3 wires			
10-30 Vac	mA	3 WILES	order No.		
MAMID amail:6am	NIAMILID	2			
IAMUR amplifier	NAMUR	2 wires	order No.		
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%
lysteresis				< 10%	< 10%
Max. Output Current				200 mA	200 mA
Min. Output Current	t .				
Residual Current				< 10 mA	< 10 mA
/oltage Drop				< 1,8 V (I=100mA)	< 1,8 V (I=100mA)
Operation Led				Yellow	Yellow
Switching Frequenc	у			300 Hz	300 Hz
Start Up Delay				< 50 ms	< 50 ms
Repeatability				< 3%	< 3%
Short Circuit Protec	ction			Present (self-resetting)	Present (self-resetting)
Electric Protection		Against polarity reversal inductive loads		Against polarity reversal inductive loads	Against polarity reversal inductive loads
emperature Limit				(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP69K	IP69K
Cable Length					
Cable Section					
Housing Material				Stainless-Steel	Stainless-Steel
				LCP	LCP
				LOI	LCI
Active face				* see name 5 of the Industive Sensors Catalog	* see page 5 of the Industive Sensors Catalog
nousing material Active face Tightening torque Weight - Cable Outpl				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog





SHORT STAIN	NLESS STEEL X2
FLUSH	NON FLUSH
M12 conn	M12 conn
15 mm	20 mm
IS-30-01-S2	IS-30-P1-S2
95B060160	95B060200
IS-30-02-S2	IS-30-P2-S2
95B060170	958060210
IS-30-03-S2 95B060180	IS-30-P3-S2 95B060220
IS-30-04-S2	IS-30-P4-S2
95B060190	95B060230
735000170	
***	
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
100 Hz	100 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)
IP69K	(-25 +70 °C)
Stainless-Steel	Stainless-Steel
LCP	LCP
* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
170 g	170 g

M12 3 pole



Available	Contacts numbers				
Averene	1	2	3	4	
NO or NO)	+		77.7	NOING	

Stainless Steel housing
Stainless Steel AISI 303 active face
Standard length

2 ... 8 mm

M12, M18

M12 connector

3 wires

PNP, NO

IP67 protection

#### REDUCTION FACTOR

	ALUMINUM (25°C)	STAINLESS STEEL AISI316L	COPPER	BRASS
Average red. Fact.	0,45	0,85	0,4	0,5



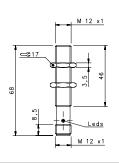
## METAL FACE

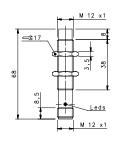




## **METAL FACE M12**

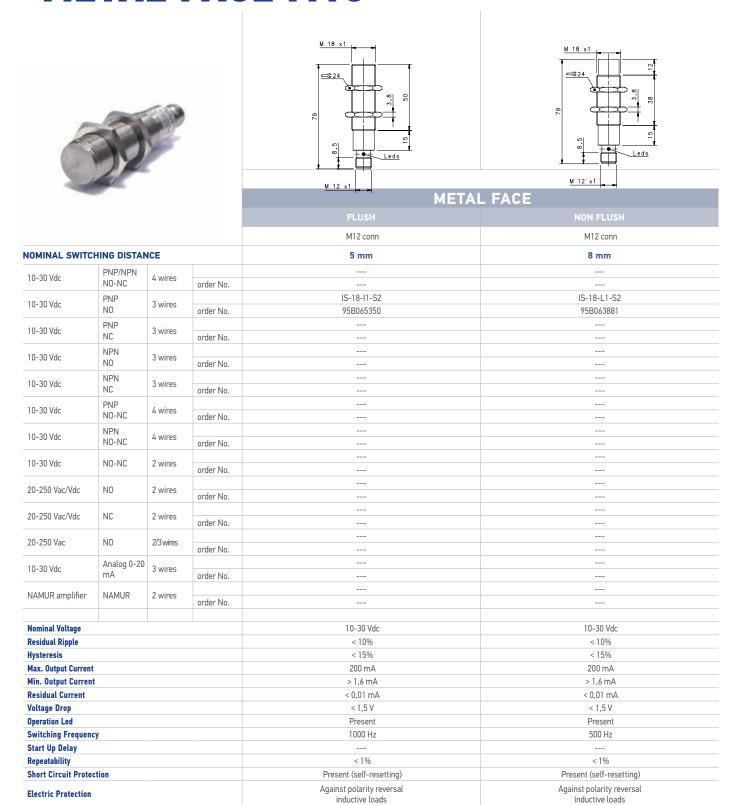






				META	L FACE
				FLUSH	NON FLUSH
				M12 conn	M12 conn
OMINAL SWITC	HING DISTAN	ICE		2 mm	4 mm
10-30 Vdc	PNP/NPN	4 wires			
10-30 Vac	NO-NC	4 wires	order No.		
10-30 Vdc	PNP	2 wires		IS-12-I1-S2	IS-12-L1-S2
10-30 Vac	NO	3 wires	order No.	95B065340	95B063871
10 30 1/4-	PNP	2			
10-30 Vdc	NC	3 wires	order No.		
10-30 Vdc	NPN	3 wires			
10-30 Vac	NO	3 WII es	order No.		
10-30 Vdc	NPN	3 wires			
0-30 Vac	NC	3 WII es	order No.		
0.20.1/45	PNP	Luiros			
0-30 Vdc	NO-NC	4 wires	order No.		
0-30 Vdc	NPN	4 wires			
10-30 Vuc	NO-NC 4 WITES		order No.		
0-30 Vdc	NO-NC	2 wires			
10-30 Vac	INU-INC	2 Wiles	order No.		
0-250 Vac/Vdc	NO	2 wires			
10-250 Vac/Vac	NU	2 wires	order No.		
0-250 Vac/Vdc	NC	2 wires			
.U-250 VaC/VuC	ic NC Z Wiles		order No.		
20-250 Vac	NO 2/3	2/3 wires			
10-230 Vac	ac 140 2/34/165		order No.		
0-30 Vdc	Analog 0-20	3 wires			
10-30 vuc	mA	3 WIIES	order No.		
NAMUR amplifier	NAMUR	2 wires			
AMON ampuner	IVAMOR	2 WIIES	order No.		
Nominal Voltage				10-30 Vdc	10-30 Vdc
Residual Ripple				< 10%	< 10%
Hysteresis				< 15%	< 15%
Max. Output Curren				200 mA	200 mA
Min. Output Curren	nt				
Residual Current				< 0,01 mA	< 0,01 mA
/oltage Drop				< 1,5 V (I=100mA)	< 1,5 V (I=100mA)
Operation Led				Present	Present
Switching Frequen	су			2000 Hz	1000 Hz
Start Up Delay					
Repeatability				< 1%	< 1%
Short Circuit Prote	ction			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
				Stainless Steel AISI 303	Stainless Steel AISI 303
Active face					
Active face Tightening torque Weight - Cable Outp	out			10Nm	10Nm

### **METAL FACE M18**



(-25 ... +70 °C)

IP67

Stainless-Steel

Stainless Steel AISI 303

10Nm

**Temperature Limit** 

Protection Degree

Cable Length
Cable Section
Housing Material

Active face

Tightening torque

Weight - Cable Output Weight - Connector Output (-25 ... +70 °C)

IP67

Stainless-Steel

Stainless Steel AISI 303

10Nm

Stainless Steel housing

PTFE active face

Standard length

Operating distance 2 ... 8 mm

M12, M18

M12 connector

3 wires

PNP, NO

IP67 protection

### REDUCTION FACTOR

	ALUMINUM (25°C)	STAINLESS STEEL AISI316L	COPPER	BRASS
Average red. Fact.	0,45	0,85	0,4	0,5



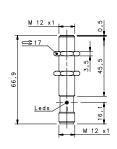
# WELD FIELD IMMUNE

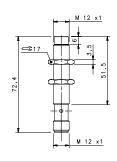




## **WELD FIELD IMMUNE M12**



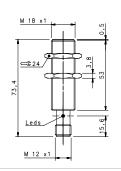


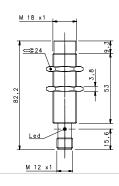


				FIELD IMMUNE STAINLESS STEEL			
				FIELD IMMUNE S	NON FLUSH		
				M12 conn	M12 conn		
OMINAL SWITC	HING DISTAN	ICE		2 mm	4 mm		
0-30 Vdc	PNP/NPN	4 wires	l N				
	NO-NC		order No.	 IC F12 C1 C2	 IC F12 T1 C2		
0-30 Vdc	PNP NO	3 wires	order No.	IS-F12-S1-S2 95B065360	IS-F12-T1-S2 95B065370		
			order No.	730003300	730003370		
0-30 Vdc	PNP NC	3 wires	order No.				
	NPN		oraci ivo.				
0-30 Vdc	NO NO	3 wires	order No.				
	NPN						
0-30 Vdc	NC	3 wires	order No.				
0.00371	PNP	, .					
0-30 Vdc	NO-NC	4 wires	order No.				
J 20 M4°	NPN	/ vei					
0-30 Vdc	NO-NC	4 wires	order No.				
0-30 Vdc	NO-NC	2 wires					
U-30 VUC	NU-NC	2 WII es	order No.				
0-250 Vac/Vdc	NO	2 wires					
U-250 Vac/ Vuc	INU	2 WITES	order No.				
0-250 Vac/Vdc	NC	2 wires					
0-230 vac/ vac	3C/ VUC INC Z WITE	Z WII CS	order No.				
0-250 Vac	Vac NO 2	2/3 wires					
0 230 vac		2/5 WILCS	order No.				
0-30 Vdc	Analog 0-20	3 wires					
	mA		order No.				
IAMUR amplifier	NAMUR						
			order No.				
				40.007/	40.00		
ominal Voltage				10-30 Vdc	10-30 Vdc		
esidual Ripple				< 10%	< 10%		
ysteresis				< 15%	< 15%		
lax. Output Current				200 mA < 10mA	200 mA < 10mA		
lin. Output Current							
esidual Current Oltage Drop				< 0,1 mA < 1,5V	< 0,1 mA < 1,5V		
peration Led				Present	Present		
witching Frequenc	·v			2000 Hz	1000 Hz		
tart Up Delay	· y			< 0,1 ms	< 0,1 ms		
epeatability				< 1%	< 1%		
hort Circuit Protec	ction			Present (self-resetting)	Present (self-resetting)		
				Against polarity reversal	Against polarity reversal		
lectric Protection				inductive loads	inductive loads		
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)		
				IP67	IP67		
rotection Degree							
rotection Degree able Length							
rotection Degree able Length able Section				 Stainless-Steel	 Stainless-Steel		
rotection Degree able Length able Section lousing Material							
Protection Degree Cable Length Cable Section Housing Material Lictive face Tightening torque Veight - Cable Outpu				Stainless-Steel	Stainless-Steel Stainless-Steel		

### **WELD FIELD IMMUNE M18**







				FIELD IMMUNE S			
				FLUSH	NON FLUSH		
				M12 conn	M12 conn		
NOMINAL SWITC	HING DISTAN	ICE		5 mm	8 mm		
10-30 Vdc	PNP/NPN	4 wires					
10 00 140	NO-NC	4 111103	order No.				
10-30 Vdc	PNP	3 wires	1. 1.	IS-F18-S1-S2	IS-F18-T1-S2		
	NO DND		order No.	95B065380	95B065390		
10-30 Vdc	PNP NC	3 wires	order No.				
	NPN		order No.				
10-30 Vdc	NO NO	3 wires	order No.				
	NPN		0.40.710				
10-30 Vdc	NC	3 wires	order No.				
40.001/1	PNP	, .					
10-30 Vdc	NO-NC	4 wires	order No.				
10 20 Vdc	NPN	/ vari					
10-30 Vdc	NO-NC	4 wires	order No.				
10-30 Vdc	NO-NC	2 wires					
10-30 vuc	INO-INC	Z WII es	order No.				
20-250 Vac/Vdc	NO	2 wires					
20 230 vac, vac	140	2 WIICS	order No.				
20-250 Vac/Vdc	NC	2 wires					
			order No.				
20-250 Vac	NO	2/3 wires					
			order No.		===		
10-30 Vdc	Analog 0-20	3 wires					
	mA		order No.				
NAMUR amplifier	NAMUR	2 wires	1 1				
			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 Frequenc	:v			1000 Hz	500 Hz		
Start Up Delay	,			< 0,2 ms	< 0,5 ms		
Repeatability				< 1%	< 1%		
Short Circuit Protect	ction			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		
Active face				PTFE	PTFE		
Tightening torque				30 Nm	30 Nm		
Weight - Cable Outp	ut						
Weight - Connector				94g	91g		

Nickel-plated Brass housing PA 16 active face 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

### REDUCTION FACTOR

	ALUMINUM (25°C)	STAINLESS STEEL AISI316L	COPPER	BRASS
Average red. Fact.	0,30,45	0,61	0,250,45	0,350,5





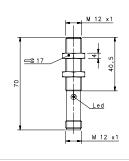
## INDUCTIVE AC

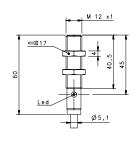




## **INDUCTIVE AC M12**





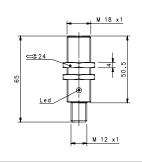


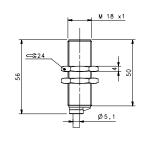
				SIANU	ARD VAC					
				FL	USH					
				M12 conn	cable					
NOMINAL SWITCH	DMINAL SWITCHING DISTANCE			2 mm	2 mm					
10-30 Vdc	PNP/NPN	4 wires								
10-30 VuC	NO-NC	4 WII es	order No.							
10-30 Vdc	PNP	3 wires								
10 30 vuc	N0	5 WIICS	order No.							
10-30 Vdc	PNP	3 wires								
10 30 vuc	NC	5 WIICS	order No.							
10-30 Vdc	NPN	3 wires								
10 30 vac	N0	3 WII es	order No.							
10-30 Vdc	80 Vdc NPN NC						3 wires			
10 30 vuc		5 WIICS	order No.							
10-30 Vdc	PNP	4 wires								
10 30 vuc	NO-NC	4 WIICS	order No.							
10-30 Vdc	NPN	4 wires								
10 30 vuc	NO-NC	4 WIICS	order No.							
10-30 Vdc	NO-NC	2 wires								
10 30 vac	140 140	2 WIICS	order No.							
20-250 Vac/Vdc	NO	2 wires								
20 200 vac/ vac	140	2 WIICS	order No.							
20-250 Vac/Vdc	NC	2 wires								
20-230 vac/ vac	INC	2 WII CS	order No.							
20-250 Vac	NO	2/3 wires		IS-12-A15-S2	IS-12-A15-03					
20 200 vac	110	2/3 441163	order No.	95B060690	95B060680					
10-30 Vdc	Analog 0-20	3 wires								
10 30 vac	mA	2 4411.62	order No.							
NAMUR amplifier	NAMUR	2 wires								
MANION ampuller	INMINIOR	Z WIICS	order No.							

Nominal Voltage	20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)
Residual Ripple	< 10%	< 10%
lysteresis	< 10%	< 10%
Max. Output Current	500 mA, inrush:1,5A	500 mA, inrush:1,5A
Ain. Output Current	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
Switching Frequency	25 Hz	25 Hz
Start Up Delay	< 300 ms	< 300 ms
Repeatability	5%	5%
Short Circuit Protection	Present (self-resetting)	Present (self-resetting)
Electric Protection	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Gemperature Limit	(-25 +70 °C)	(-25 +70 °C)
Protection Degree	IP67	IP67
Cable Length		2 m
Cable Section		2 x 0,25 mm <sup>2</sup>
Housing Material	Nickel-plated brass	Nickel-plated brass
Active face	PA 16	PA 16
ightening torque	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog
Veight - Cable Output		145g
Neight - Connector Output	95g	

## **INDUCTIVE AC M18**







				STANDARD VAC			
				FLU	USH		
				M12 conn	cable		
IOMINAL SWITC	HING DISTAN	NCE		5 mm	5 mm		
10.201/-	PNP/NPN	/i					
10-30 Vdc	NO-NC	4 wires	order No.				
10-30 Vdc	PNP 2	2					
10-30 Vac	NO 3 wi		order No.				
10-30 Vdc	PNP 2	3 wires					
10-30 Vac	NC	3 WII es	order No.				
0-30 Vdc	NPN	3 wires					
0-30 Vac	N0	3 WII es	order No.				
0-30 Vdc	NPN	3 wires					
U-30 Vac	NC	3 wires	order No.				
0-30 Vdc	PNP	4 wires					
U-30 Vac	NO-NC	4 wires	order No.				
0-30 Vdc	NPN	Luiros					
U-SU VUC	NO-NC	4 wires	order No.				
0-30 Vdc	NO-NC	2 wires					
10-30 Vac	NU-NC	2 wires	order No.				
00 2E0 \/ /\/-	NO	NO	2				
20-250 Vac/Vdc		2 wires	order No.				
10. 2E0.V A/-l-	NC	2 wires					
0-250 Vac/Vdc			order No.				
10. 0E0 V-	NO	2/2		IS-18-A15-S2	IS-18-A15-03		
0-250 Vac		2/3 wires	order No.	95B060780	95B060770		
0-30 Vdc	Analog 0-20	0 .					
U-30 Vac	mA	3 wires	order No.				
IAMID amailifan	NAMUD	2					
NAMUR amplifier	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 Current				500 mA, inrush:1,5A	500 mA, inrush:1,5A		
lin. Output Current	t			20 mA	20 mA		
esidual Current				< 0,7 mA	< 0,7 mA		
oltage Drop				< 4 V (I=100mA)	< 4 V (I=100mA)		
peration Led				Yellow	Yellow		
witching Frequenc	cy			25 Hz	25 Hz		
Start Up Delay				< 300 ms	< 300 ms		
Repeatability				5%	5%		
Short Circuit Protec	ction			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					2 m		
Cable Section					2 x 0,25 mm <sup>2</sup>		
Housing Material				Nickel-plated brass	Nickel-plated brass		
Active face				PA 16	PA 16		

\* see page 5 of the Inductive Sensors Catalog

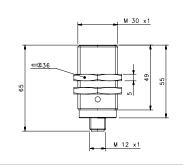
95g

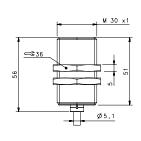
Tightening torque

Weight - Cable Output Weight - Connector Output \* see page 5 of the Inductive Sensors Catalog 145g

## **INDUCTIVE AC M30**

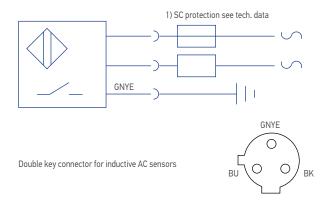






				STANDARD VAC			
				M12 conn	cable		
IOMINAL SWITC	HING DISTAN	ICE		10 mm	10 mm		
10.001/1	PNP/NPN	, .					
10-30 Vdc	NO-NC	4 wires	order No.				
10.001/1	PNP						
0-30 Vdc	N0	3 wires	order No.				
0.207/4-	PNP	2					
0-30 Vdc	NC	3 wires	order No.				
0-30 Vdc	NPN	3 wires					
0-30 vac	N0	3 WILES	order No.				
0-30 Vdc	NPN	3 wires					
0-30 vuc	NC	3 WIIES	order No.				
10-30 Vdc	PNP	4 wires					
0 00 vuc	NO-NC	- WILCO	order No.				
0-30 Vdc	NPN	4 wires					
5 50 140	NO-NC	* *************************************	order No.				
0-30 Vdc	NO-NC	2 wires					
0 00 140	110 110	2 111103	order No.				
20-250 Vac/Vdc	NO	2 wires					
200 vac, vac	110	2 111103	order No.				
20-250 Vac/Vdc	NC	2 wires					
223 144, 143			order No.				
20-250 Vac NO NO Analog 0-20	2/3 wires		IS-30-A15-S2	IS-30-A15-03			
			order No.	95B060820	95B060810		
		3 wires					
	mA		order No.				
NAMUR amplifier	NAMUR	2 wires					
·			order No.				
Iominal Voltage				20.2501//50/01/-	20.2501/ /50.401/-		
vominal voltaae				20+250 Vac (50,60 Hz) < 10%	20+250 Vac (50,60 Hz) < 10%		
Residual Ripple							
Residual Ripple lysteresis				< 10%	< 10%		
Residual Ripple Hysteresis Max. Output Current				< 10% 500 mA, inrush:1,5A	< 10% 500 mA, inrush:1,5A		
Residual Ripple Hysteresis Max. Output Current Min. Output Current				< 10% 500 mA, inrush:1,5A 20 mA	< 10% 500 mA, inrush:1,5A 20 mA		
Residual Ripple Hysteresis Max. Output Current Min. Output Current Residual Current				< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA		
Residual Ripple lysteresis Max. Output Current Min. Output Current Residual Current Voltage Drop				< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA)	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA)		
desidual Ripple lysteresis fax. Output Current fin. Output Current desidual Current foltage Drop Iperation Led				< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow		
Residual Ripple dysteresis Max. Output Current Min. Output Current Residual Current Joltage Drop Operation Led Switching Frequenc				< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz		
Residual Ripple Hysteresis Max. Output Current Min. Output Current Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay				< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms		
Residual Ripple Hysteresis Max. Output Current Min. Output Current Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability	у			< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5%	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5%		
Residual Ripple Hysteresis Max. Output Current Min. Output Current Cesidual Current Foltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protec	у			< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting)	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting)		
tesidual Ripple Ilysteresis Idax. Output Current Idin. Output Current Idesidual Curr	у			< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5%	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5%		
Residual Ripple Allysteresis Alax. Output Current Alesidual Current Allotage Drop Alloration Led Allotage Trequence Allotage Tr	у			< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal		
Residual Ripple Allysteresis Alax. Output Current Alesidual Current Alesidual Current Allysteresidual Ripple Allysteresidual Rippl	у			< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (l=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads		
Residual Ripple Allysteresis Alax. Output Current Alesidual Current Alesidual Current Allysteresidual Ripple	у			< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C)	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (l=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C)		
Residual Ripple Alysteresis Alax. Output Current Alin. Output Current Residual Current Outage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protect Celectric Protection Cemperature Limit Protection Degree Cable Length	у			< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (l=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67		
Residual Ripple dysteresis Max. Output Current Min. Output Current Residual Current Outage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protec Electric Protection Femperature Limit Protection Degree Cable Length Cable Section Housing Material	у			< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (l=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m		
Residual Ripple Hysteresis Max. Output Current Min. Output Current Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protec Electric Protection Temperature Limit Protection Degree Cable Length Cable Section Housing Material	у			< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (l=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m 2 x 0,25 mm²		
Residual Ripple Hysteresis Max. Output Current Min. Output Current Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protect Electric Protection Temperature Limit Protection Degree Cable Length Cable Section Housing Material Active face Tightening torque Weight - Cable Outpu	y			< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (I=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 Nickel-plated brass	< 10% 500 mA, inrush:1,5A 20 mA < 0,7 mA < 4 V (l=100mA) Yellow 25 Hz < 300 ms 5% Present (self-resetting) Against polarity reversal inductive loads (-25 +70 °C) IP67 2 m 2 x 0,25 mm² Nickel-plated brass		

### Inductive AC



Stainless Steel housing LCP active face Short length Operating distance 0.8 ... 15 mm M5, M8, M12, M30 Cable, M8 or M12 connector 2 wires IP67 protection

#### REDUCTION FACTOR

	ALUMINUM (25°C)	STAINLESS STEEL AISI316L	COPPER	BRASS
FLUSH	0,30,5	0,70,9	0,20,5	0,40,6
NON-FLUSH	0,40,6	0,71,05	0,40,5	0,50,7









## NAMUR



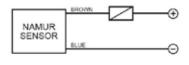




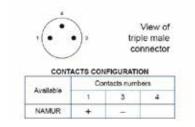


				NAMUR		
				FLUSH		
				cable		
NOMINAL SWITC	HING DISTAN	ICE		0,8 mm		
10-30 Vdc	PNP/NPN	4 wires				
10 30 vac	NO-NC	4 WIICS	order No.			
10-30 Vdc	PNP	3 wires				
10 30 vac	NO	5 WIICS	order No.			
10-30 Vdc	PNP	3 wires				
10-30 vac	NC	3 WILES	order No.			
10-30 Vdc	NPN	3 wires		===		
10-30 Vac	NO NO	3 WILES	order No.	===		
10.201/-	NPN	3 wires				
10-30 Vdc	NC	3 Wires	order No.			
	PNP					
10-30 Vdc	NO-NC	4 wires	order No.			
	NPN					
10-30 Vdc	NO-NC	4 wires	order No.			
10-30 Vdc	NO-NC	2 wires	order No.			
			order ivo.			
20-250 Vac/Vdc	NO	2 wires	order No.			
			order No.			
20-250 Vac/Vdc	NC	2 wires	order No.			
			order No.			
20-250 Vac	NO	2/3 wires	1 1			
			order No.			
10-30 Vdc	Analog 0-20	3 wires				
	mA		order No.			
NAMUR amplifier	NAMUR	2 wires		IS-05-A20-03		
			order No.	95B065410		
Nominal Voltage				6+ 12 V DC		
Residual Ripple						
Hysteresis				< 10%		
Max. Output Current				< 3 mA (metal absent)		
Min. Output Current	t			< 1 mA (metal present)		
Residual Current						
Voltage Drop						
Operation Led						
Switching Frequenc	y			2000 Hz		
Start Up Delay				< 10 ms		
Repeatability						
Short Circuit Protect	tion			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 mm <sup>2</sup>		
Housing Material				Stainless-Steel		
Active face				LCP		
Tightening torque				1,5Nm		
Weight - Cable Outpo Weight - Connector				25g 		

### 2 wires NAMUR

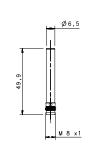


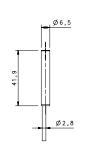
### M8 2 wires NAMUR

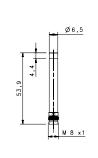


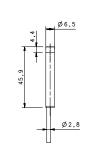
## NAMUR M6,5





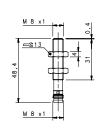


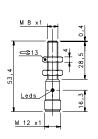


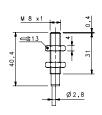


				NAMUR			
				FL			FLUSH
				M8 conn	cable	M8 conn	cable
NOMINAL SWITCHING DISTANCE				1 mm	1 mm	2 mm	2 mm
10-30 Vdc	PNP/NPN	4 wires					
10-30 vac	NO-NC	4 WII es	order No.				
10-30 Vdc	PNP	3 wires					
10-30 Vac	N0	3 wires	order No.				
10-30 Vdc	PNP	3 wires					
U-30 Vac	NC	3 wires	order No.				
10 20 1/4-	NPN	2					
0-30 Vdc	N0	3 wires	order No.				
0.2014	NPN	2					
0-30 Vdc	NC	3 wires	order No.				
0.001//	PNP	, .					
10-30 Vdc	NO-NC	4 wires	order No.				
	NPN						
10-30 Vdc	NO-NC	4 wires	order No.				
0-30 Vdc	NO-NC	2 wires	order No.				
20-250 Vac/Vdc	N0	2 wires	order No.				
0-250 Vac/Vdc	NC	2 wires	order No.				
			oraci ivo.				
0-250 Vac	N0	2/3 wires	order No.				
	Analog 0 20	og 0-20	order 140.				
0-30 Vdc	Analog 0-20 mA	3 wires	order No.				
			order 140.	IS-65-A20-S1	IS-65-A20-03	IS-65-C20-S1	IS-65-C20-03
IAMUR amplifier	NAMUR	2 wires	order No.	95B066310	95B066290	95B066320	95B066300
			order ivo.	735000310	735000270	735000320	73000300
Iominal Voltage				7,7 + 9 V DC			
Residual Ripple				< 10%	< 10%	< 10%	< 10%
lysteresis				< 10%	< 10%	< 10%	< 10%
, lax. Output Current	i			< 3 mA (metal absent)			
Ain. Output Current				< 1 mA (metal present)			
Residual Current							
oltage Drop							
peration Led							
witching Frequenc	:v			2000 Hz	2000 Hz	2000 Hz	2000 Hz
tart Up Delay	,						
Repeatability				< 3%	< 3%	< 3%	< 3%
hort Circuit Protec	ction			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
lectric Protection				Against polarity reversal inductive loads			
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
rotection Degree				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 C)	(-25 +60 °C)
able Length				IF0/	2 m	IF0/	2 m
able Section					2x 0,25 mm <sup>2</sup>		2 x 0,25 mm <sup>2</sup>
lousing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
lctive face				LCP	LCP	LCP	LCP
Weight - Cable Outp					80 g		80 g
Weight - Connector (	Output			40 g		40 g	

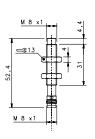


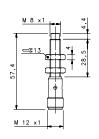


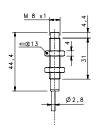




				NAMUR				
					FLUSH			
				M8 conn	M12 conn	cable		
IOMINAL SWITC	HING DISTAN	ICE		1 mm	1 mm	1 mm		
10 20 1/4-	PNP/NPN	/i						
10-30 Vdc	NO-NC	4 wires	order No.					
10.2014	PNP	2						
10-30 Vdc	N0	3 wires	order No.					
10.2014	PNP	2						
10-30 Vdc	NC	3 wires	order No.					
10.2014	NPN	2						
10-30 Vdc	N0	3 wires	order No.					
10.001/1	NPN							
10-30 Vdc	NC	3 wires	order No.					
10 20 1/4-	PNP	Luder						
10-30 Vdc	NO-NC	4 wires	order No.					
10.201/-	NPN	, i.						
10-30 Vdc	NO-NC	4 wires	order No.					
10.201/-	NO NO	2						
10-30 Vdc	NO-NC	2 wires	order No.					
00.0501/	110							
20-250 Vac/Vdc	NO	2 wires	order No.					
20-250 Vac/Vdc	NC	2 wires	order No.					
		0.00						
20-250 Vac	N0	2/3 wires	order No.					
	Analog 0-20							
10-30 Vdc	mA	3 wires	order No.					
	NAMES	NIANGIE			IS-08-A20-S1	IS-08-A20-S2	S-08-A20-03	
NAMUR amplifier	NAMUR	2 wires	order No.	95B066780	95B066760	95B066740		
Nominal Voltage				7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC		
Residual Ripple				< 10%	< 10%	< 10%		
Hysteresis				< 10%	< 10%	< 10%		
Max. Output Current				< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent)		
						< 3 IIIA (IIIetat abseiit)		
Min. Output Current				< 1 mA (metal absent)	< 1 mA (metal absent)	< 1 mA (metal present)		
Residual Current				< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)		
Residual Current Voltage Drop				< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)		
Residual Current Voltage Drop Operation Led				< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)		
Residual Current Voltage Drop Operation Led Switching Frequenc				< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)		
Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay				< 1 mA (metal present) 2000 Hz	< 1 mA (metal present) 2000 Hz	< 1 mA (metal present) 2000 Hz		
Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability	у			< 1 mA (metal present) 2000 Hz	< 1 mA (metal present) 2000 Hz	< 1 mA (metal present) 2000 Hz		
Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protec	у			< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal	< 1 mA (metal present) 2000 Hz < 3% Present (self-resetting) Against polarity reversal	< 1 mA (metal present) 2000 Hz < 3%		
Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protec	у			< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads		
Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protec Electric Protection	у			< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C)	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C)	< 1 mA (metal present)    2000 Hz   < 3%  Present (self-resetting)  Against polarity reversal inductive loads  (-25 +60 °C)		
Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protec Electric Protection Temperature Limit Protection Degree	у			< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting)  Against polarity reversal inductive loads  (-25 +60 °C)  IP67	< 1 mA (metal present)    2000 Hz  < 3%  Present (self-resetting)  Against polarity reversal inductive loads  (-25 +60 °C)  IP67	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67		
Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protec Electric Protection Temperature Limit Protection Degree Cable Length	у			< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67	< 1 mA (metal present)    2000 Hz  < 3%  Present (self-resetting)  Against polarity reversal inductive loads  (-25 +60 °C)  IP67	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67 2 m		
Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protection Temperature Limit Protection Degree Cable Length Cable Section	у			< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67	< 1 mA (metal present)   2000 Hz   < 3%  Present (self-resetting)  Against polarity reversal inductive loads  (-25 +60 °C)  IP67  2 m  2x 0,25 mm²		
Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protection Temperature Limit Protection Degree Cable Length Cable Section Housing Material	у			< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67 Nickel-plated brass	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads  (-25 +60 °C) IP67 Nickel-plated brass	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67 2 m 2x 0,25 mm² Nickel-plated brass		
Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protection Temperature Limit Protection Degree Cable Length Cable Section Housing Material Active face	у			< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67 Nickel-plated brass LCP	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67 Nickel-plated brass LCP	< 1 mA (metal present)   2000 Hz   < 3%  Present (self-resetting)  Against polarity reversal inductive loads  (-25 +60 °C)  IP67  2 m  2x 0,25 mm²  Nickel-plated brass  LCP		
Min. Output Current Residual Current Voltage Drop Operation Led Switching Frequenc Start Up Delay Repeatability Short Circuit Protect Electric Protection Temperature Limit Protection Degree Cable Length Cable Section Housing Material Active face Tightening torque Weight - Cable Outpu	y			< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads (-25 +60 °C) IP67 Nickel-plated brass	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads  (-25 +60 °C) IP67 Nickel-plated brass	< 1 mA (metal present)  2000 Hz < 3% Present (self-resetting) Against polarity reversal inductive loads  (-25 +60 °C)  IP67 2 m 2x 0,25 mm² Nickel-plated brass		

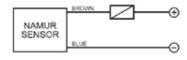




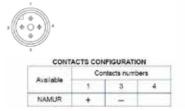


	NAMUR					
NON FLUSH						
M8 conn	M12 conn	cable				
2 mm	2 mm	2 mm				
IS-08-C20-S1	IS-08-C20-S2	IS-08-C20-03				
95B066790	95B066770	95B066750				
		77.0470				
7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC				
< 10%	< 10%	< 10%				
< 10%	< 10%	< 10%				
< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent)				
< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)				
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	Against polarity reversal				
	inductive loads	inductive loads				
(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)				
IP67	IP67	IP67				
		2 m				
Nichologia di Santa	Nichal mark disease	2 x 0,25 mm <sup>2</sup>				
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass LCP				
LCP	LCP					
see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalo				
35g	55g	80 g				

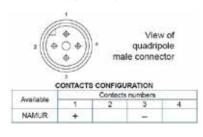
### 2 wires NAMUR



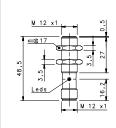
### M8 2 wires NAMUR

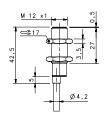


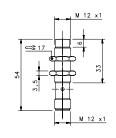
### M12 2 wires NAMUR

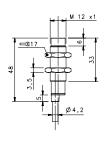






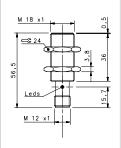


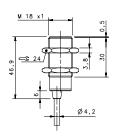


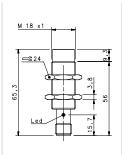


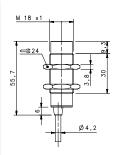
				NAMUR									
				FL		NON	NON FLUSH						
				M12 conn	cable	M12 conn	cable						
NOMINAL SWITCH	HING DISTAN	ICE		2 mm	2 mm	4mm	4mm						
10-30 Vdc	PNP/NPN	4 wires											
10-30 Vac	NO-NC	4 WII es	order No.										
10-30 Vdc	PNP	3 wires											
10-30 vuc	N0	3 WII es	order No.										
10-30 Vdc	PNP	3 wires											
10 00 140	NC	o wiics	order No.										
10-30 Vdc	NPN	3 wires											
	N0	0 111100	order No.										
10-30 Vdc	NPN	3 wires											
	NC		order No.										
10-30 Vdc	PNP	4 wires											
	NO-NC		order No.										
10-30 Vdc	NPN	4 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	dc NC	Vdc NC	NC	NC	NC	NC	2 wires					
				order No.									
20-250 Vac	NO	2/3 wires											
			order No.										
10-30 Vdc	Analog 0-20	3 wires											
	mA		order No.										
NAMUR amplifier	NAMUR	2 wires	order No.	IS-12-A20-S2	IS-12-A20-03	IS-12-C20-S2	IS-12-C20-03						
				95B064180	95B064160	95B064190	95B064170						
Naminal Valena				77.0700	77.0700	77.0700	77.070						
Nominal Voltage				7,7 + 9 V DC < 10%									
Residual Ripple Hysteresis				< 10%	< 10%	< 10%	< 10%						
-				< 3 mA (metal absent)									
Max. Output Current Min. Output Current				< 1 mA (metal present)									
mm. output current Residual Current													
Voltage Drop													
Operation Led													
Switching Frequenc	·v			2000 Hz	2000 Hz	2000 Hz	2000 Hz						
Start Up Delay	,						2000112						
Repeatability				< 3%	< 3%	< 3%	< 3%						
Short Circuit Protec	tion			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^2		2 x 0,25 mm^2						
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass						
Active face				LCP	LCP	LCP	LCP						
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog						
Weight - Cable Outpu	ut				110 g		110 g						
Weight - Connector (	Output			60 g		60 g							





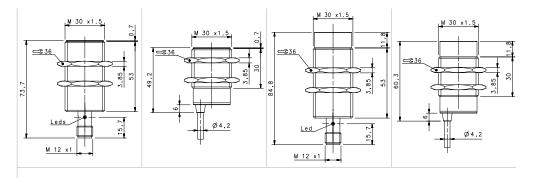






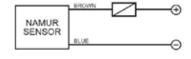
				NAMUR													
				FLU		NON I	NON FLUSH										
				M12 conn	cable	M12 conn	cable										
NOMINAL SWITC	HING DISTAN	NCE		5mm	5mm	8mm	8mm										
	PNP/NPN																
10-30 Vdc	NO-NC	4 wires	order No.														
10-30 Vdc	PNP	3 wires															
	N0		order No.														
10-30 Vdc	PNP NC	3 wires	order No.														
			order No.														
10-30 Vdc	NPN N0	3 wires	order No.														
			order No.														
10-30 Vdc	NPN NC	3 wires	order No.														
	-		order No.														
10-30 Vdc	PNP NO-NC	4 wires	andan Na														
			order No.														
0-30 Vdc	NPN NO-NC	4 wires	andan Na														
	140-140		order No.														
10-30 Vdc	NO-NC	2 wires	order No														
			order No.														
20-250 Vac/Vdc	NO	2 wires	dN.														
			order No.														
20-250 Vac/Vdc	NC	2 wires	1 1														
			order No.														
0-250 Vac	NO	2/3 wires															
			order No.														
0-30 Vdc	Analog 0-20 3 v	3 wires															
	mA	MA	MA	MA	mA	mA	MA	mA	mA	mA	MA	1	order No.				
NAMUR amplifier	NAMUR	2 wires		IS-18-A20-S2	IS-18-A20-03	IS-18-C20-S2	IS-18-C20-03										
•			order No.	95B064380	95B064360	95B064390	95B064370										
Iominal Voltage				7,7 + 9 V DC													
Residual Ripple				< 10%	< 10%	< 10%	< 10%										
lysteresis				< 10%	< 10%	< 10%	< 10%										
Max. Output Current				< 3 mA (metal absent)													
in. Output Current	t			< 1 mA (metal present)													
Residual Current																	
/oltage Drop																	
peration Led																	
Switching Frequenc	;y			1000 Hz	1000 Hz	1000 Hz	1000 Hz										
Start Up Delay																	
Repeatability				< 3%	< 3%	< 3%	< 3%										
Short Circuit Protec	ction			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)										
Electric Protection				Against polarity reversal inductive loads													
emperature 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				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass										
Active face				LCP	LCP	LCP	LCP										
Tightening torque				* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog	* see page 5 of the Inductive Sensors Catalog										
Weight - Cable Outp	ut				145g		145g										
Weight - Connector	Output			95g		95g											



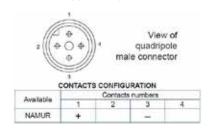


				NAMUR				
				FLU		NON FLUSH		
				M12 conn	cable	M12 conn	cable	
OMINAL SWITC	HING DISTAN	ICE		10mm	10mm	15mm	15mm	
0.00371	PNP/NPN	, .						
0-30 Vdc	NO-NC	4 wires	order No.					
0-30 Vdc	PNP	2						
U-30 Vac	N0	3 wires	order No.					
0-30 Vdc	PNP	3 wires						
J-50 Vuc	NC	3 WILES	order No.					
0-30 Vdc	NPN	3 wires						
J-30 Vuc	N0	3 WII es	order No.					
0-30 Vdc	NPN	3 wires						
5 50 vuc	NC	5 WIICS	order No.					
0-30 Vdc	PNP	4 wires						
, 00 vac	NO-NC	- WII C3	order No.					
0-30 Vdc	NPN	4 wires						
	NO-NC		order No.					
0-30 Vdc	NO-NC	2 wires						
	110 110	2 111100	order No.					
0-250 Vac/Vdc	NO	2 wires						
			order No.					
0-250 Vac/Vdc	NC	2 wires						
			order No.					
0-250 Vac	NO	2/3 wires						
			order No.					
0-30 Vdc	Analog 0-20	3 wires						
	mA		order No.					
AMUR amplifier	NAMUR	2 wires		IS-30-A20-S2	IS-30-A20-03	IS-30-C20-S2	IS-30-C20-03	
			order No.	95B064630	95B064610	95B064640	95B064620	
ominal Voltage				7,7 + 9 V DC				
esidual Ripple				< 10%	< 10%	< 10%	< 10%	
ysteresis				< 10%	< 10%	< 10%	< 10%	
				< 3 mA (metal absent)				
ax. Output Current in. Output Current				< 1 mA (metal present)				
m. Output current esidual Current	•							
oltage Drop								
peration Led								
witching Frequenc	·v			500 Hz	500 Hz	500 Hz	500 Hz	
tart Up Delay	,							
epeatability				< 3%	< 3%	< 3%	< 3%	
hort Circuit Protec	tion			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
lectric Protection				Against polarity reversal inductive loads				
emperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	
otection Degree				IP67	IP67	IP67	IP67	
able Length					2 m		2 m	
able Section					2 x 0,25 mm <sup>2</sup>		2 x 0,25 mm <sup>2</sup>	
ousing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
ctive face				LCP	LCP	LCP	LCP	
ightening torque				* see page 5 of the Inductive	* see page 5 of the Inductive	* see page 5 of the Inductive	* see page 5 of the Induction	
				Sensors Catalog	Sensors Catalog	Sensors Catalog	Sensors Catalog	
Veight - Cable Outpi	ut				210 g		210 g	

### 2 wires NAMUR



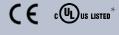
### M12 2 wires NAMUR



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

#### REDUCTION FACTOR

	ALUMINUM (25°C)	STAINLESS STEEL AISI316L	COPPER	BRASS
Average red. Fact.	0,45	0,85	0,4	0,5



\*IS-88 models only

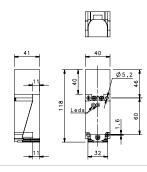
## SQUARE



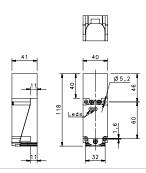


## **SQUARE 40X40**





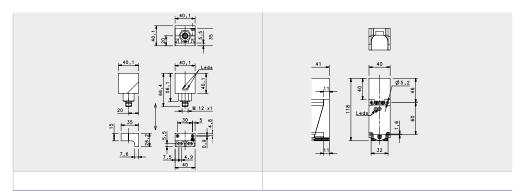
				40X40			
				FLUSH	NON FLUSH		
				Terminal Block	Terminal Block		
IOMINAL SWITC	HING DISTAN	NCE		15 mm	30mm		
10-30 Vdc	PNP/NPN	4 wires					
10-30 vac	NO-NC	4 WII es	order No.				
10-30 Vdc	PNP	3 wires					
10-30 vuc	NO	3 WII es	order No.				
10-30 Vdc	PNP	3 wires					
0-30 vuc	NC	3 WII es	order No.				
0-30 Vdc	NPN	3 wires					
0-30 vuc	NO	3 WII es	order No.				
0-30 Vdc	NPN	3 wires					
0-30 vuc	NC	3 WII es	order No.				
0-30 Vdc	PNP	Luiros		IS-40-W5-S3	IS-40-Y5-S3		
U-SU VUC	NO-NC	4 wires	order No.	95B065240	95B065280		
0-30 Vdc	NPN	4 wires		IS-40-W6-S3	IS-40-Y6-S3		
0-30 Vac	NO-NC	4 WII es	order No.	95B065230	95B065270		
0 20 1/4-	NO NC	2					
0-30 Vdc	NO-NC	2 wires	order No.				
0.050.1/ 0/-	NO	NO	2				
0-250 Vac/Vdc	N0	2 wires	order No.				
0.0501/0/-	NC	2					
0-250 Vac/Vdc	NC	2 wires	order No.				
0-250 Vac	NO	0/0					
U-250 Vac	N0	2/3 wires	order No.				
0-30 Vdc	Analog 0-20	alog 0-20					
U-30 Vac	mA	3 wires	order No.				
IAMUD amalifan	NAMUD	2					
IAMUR amplifier	NAMUR	2 wires	order No.				
Iominal Voltage				10-30 Vdc	10-30 Vdc		
esidual Ripple				< 10%	< 10%		
lysteresis				< 15% (Sr)	< 15% (Sr)		
lax. Output Current				200mA	200mA		
lin. Output Current	t						
esidual Current				< 0,01 mA	< 0,01 mA		
oltage Drop				< 1,5V	< 1,5V		
peration Led				YES	YES		
witching Frequenc	:у			100 Hz	100 Hz		
tart Up Delay							
epeatability				< 1.0% (Sr)	< 1.0% (Sr)		
hort Circuit Protec	ction			Present (self-resetting)	Present (self-resetting)		
lectric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads		
emperature Limit				(-25+75C)	(-25 +75 °C)		
rotection Degree				IP67	(-23 +73 °C)		
able Length							
able Section							
lousing Material				PBT ( RESIN)	PBT ( RESIN)		
Veight - Cable Outp	ut			FDI (RESIN)	FDI (RESIN)		
Weight - Connector (				262g	262g		
reigni - connector (	output				2029		



40X40 VAC/VDC								
FLUSH	NON FLUSH							
Terminal Block	Terminal Block							
15 mm	30mm							
<del></del>								
IS-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	YES							
25 Hz AC; 40 Hz DC	25 Hz AC; 40 Hz DC							
< 1.0% (Sr)	< 1.0% (Sr)							
Present (self-resetting)	Present (self-resetting)							
Against polarity reversal inductive loads	Against polarity reversal inductive loads							
(-25 +70 °C)	(-25 +70 °C)							
IP67	IP67							
PBT ( RESIN)	PBT ( RESIN)							
262g	262g							

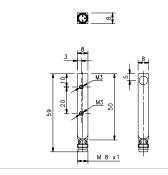
## **SQUARE 40X40**

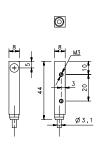




				SHORT	ANALOG OUTPUT						
				FLUSH	NON FLUSH						
				M12 conn.	Terminal Block						
OMINAL SWITC	HING DISTAN	ICE		15mm	7-20mm						
10-30 Vdc	PNP/NPN NO-NC	4 wires									
	PNP		order No.								
0-30 Vdc	NO NO	3 wires	order No.								
	PNP		oraci ito.								
0-30 Vdc	NC	3 wires	order No.								
	NPN										
0-30 Vdc	NO	3 wires	order No.								
0.00371	NPN										
0-30 Vdc	NC	3 wires	order No.								
0.001/4	PNP			IS-40-X5-S2							
0-30 Vdc	NO-NC	4 wires	order No.	95B065320							
0-30 Vdc	NPN	Lucisos		IS-40-X6-S2							
D-30 Vac	NO-NC	4 wires	order No.	95B065310							
0-30 Vdc	NO-NC	2 wires									
U-30 VUC	INU-INC	2 WII es	order No.								
0-250 Vac/Vdc	NO	NO	NO	NO	NO	NO	NO	2 wires			
J-250 Vac/Vuc	NO	2 WII es	order No.								
0-250 Vac/Vdc	NC	2 wires									
J-230 Vac/ Vuc	140	INC	INC	Z WIIES	order No.						
0-250 Vac	NO	2/3 wires									
J-230 Vac	140	Z/3 WILES	order No.								
0-30 Vdc	Analog 0-20	3 wires			IS-40-C11-S3						
J-50 Vuc	mA	3 WITES	order No.		95B065330						
AMUR amplifier	NAMUR	2 wires									
AMON ampunci	NAMON	2 WIICS	order No.								
Iominal Voltage				10-30 Vdc	18-30 Vdc						
esidual Ripple				< 10%	< 10%						
ysteresis				< 15% (Sr)	< 10% (Sr)						
lax. Output Current				200mA	0-20mA/200 Ω Max.						
lin. Output Current											
esidual Current				< 0,01mA							
oltage Drop				< 1,5V							
peration Led				YES							
witching Frequenc	у			100 Hz	100 Hz						
tart Up Delay											
epeatability				< 1.0% (Sr)	0,02 mm						
hort Circuit Protec	tion			Present (self-resetting)	Present (self-resetting)						
lectric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads						
emperature Limit				(-25+70 °C)	(-25 +70 °C)						
rotection Degree				IP67	IP67						
able Length											
Cable Section											
Housing Material				PBT (RESIN)	PBT (RESIN)						
Veight - Cable Outpu	ıt										
Weight - Connector (				170 g	242g						







			M8 conn	cable		
HING DISTAN	ICE		1,5mm	1,5mm		
PNP/NPN	/i					
NO-NC	4 Wires	order No.				
PNP	2 wires		IS-88-Q1-S1	IS-88-Q1-03		
N0	2 MILES	order No.	95B060840	95B060830		
PNP	2 wires					
NC	J WII CS	order No.				
NPN	3 wires					
NO	5 WIICS	order No.				
NPN	3 wires					
NC	5 WIICS	order No.				
PNP	4 wires					
NO-NC	4 111103	order No.				
NPN	4 wires					
NO-NC	. *************************************	order No.				
NO-NC	2 wires					
110 110	2 111103	order No.				
NO	2 wires					
110	2 WIICS	order No.				
NC.	2 wires					
110	2 WIICS	order No.				
NO	2/3 wires					
-250 Vac NO 2/3 wi	20111100	order No.				
Analog 0-20 mA	3 wires					
		order No.				
NAMUR	2 wires					
	VIIION E WIICS	order No.				
				10-30 Vdc		
				< 10%		
				< 10% (Sr)		
		out Current out Current				200mA
t						
				< 1,2V		
				Yellow		
:y				500 Hz		
				75 ms		
				< 3%		
ction			Present (self-resetting)	Present (self-resetting)		
Electric Protection		ection Ag.		Against polarity reversal inductive loads	Against polarity reversal inductive loads	
Temperature Limit			(−25 +70 °C)	(-25 +70 °C)		
Protection Degree			IP67	IP67		
				2 m		
				3x0,14mm²		
			nickel-plated brass	nickel-plated brass		
	PNP/NPN NO-NC PNP NO NPN NO NPN NC PNP NO-NC NPN NO-NC NO-NC NO-NC NO NC NO NC NO Analog 0-20 mA NAMUR	NO-NC         4 wires           PNP NO         3 wires           PNP NC         3 wires           NPN NO         3 wires           NPN NO         3 wires           PNP NO-NC         4 wires           NPN NO-NC         2 wires           NO-NC         2 wires           NO         2 wires           NO         2/3 wires           Analog 0-20 mA         3 wires           NAMUR         2 wires	PNP/NPN NO-NC         4 wires order No.           PNP NO         3 wires order No.           PNP NC         3 wires order No.           NPN NO         3 wires order No.           NPN NO         3 wires order No.           NPN NC         4 wires order No.           NPN NO-NC         4 wires order No.           NO-NC         2 wires order No.           NO         2 wires order No.           NO         2/3 wires order No.           NO         2/3 wires order No.           NAMUR         2 wires order No.	No   No   No   No   No   No   No   No		

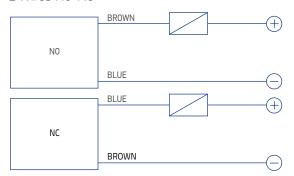
# CABLES, CONNECTORS & ACCESSORIES



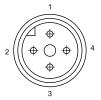
# CABLES, CONNECTORS & ACCESSORIES

### **2 WIRES SENSORS**

### 2 Wires No-Nc



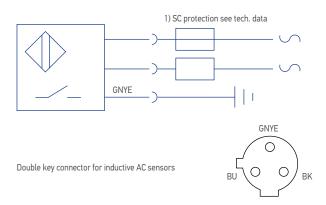
WARNING: The load can be indifferently connected in series to the blue wire or to the brown wire to simulate NPN or PNP functionning logic.



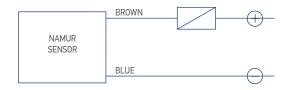
M12 connector

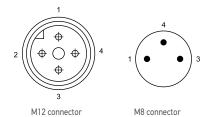
CONTACTS CONFIGURATION					
Available	Contacts numbers				
	1	2	3	4	
N0	+		-		
NC	-		+		

### Inductive Ac



### Namur

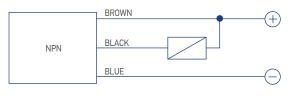


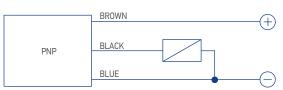


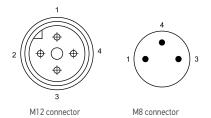
CONTACTS CONFIGURATION				
	Contacts numbers			
Available	1	2	3	4
NAMUR	+		-	

### **3 WIRES SENSORS**

### 3 Wires Pnp Or Npn, No Or Nc



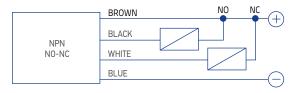


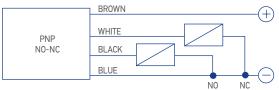


CONTACTS CONFIGURATION				
Available	Contacts numb	ers		
	1	2	3	4
(NO or NC)	+		-	NO/NC

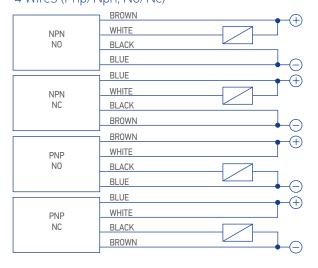
### **4 WIRES SENSORS**

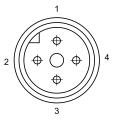
### 4 Wires (No+Nc)





## 4 Wires (Pnp/Npn, No/Nc)





CONTACTS CONFIGURATION					
Output	Contacts numbers				
	1	2	3	4	
NO + NC	+	NC	_	NO	

CONTACTS CONFIGURATION				
Outmoot	Contacts r	numbers		
Output	1	2	3	4
NPN NO	+	NO	-	-
NPN NC	-	NC	+	-
PNP NO	+	+	-	NO
PNP NC	_	+	+	NC

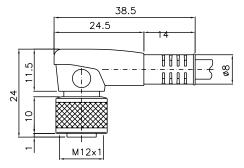
# CABLES, CONNECTORS & ACCESSORIES

CONNECTOR & DIRECTION	WIRES	STYLE	CABLE LENGHT	MODEL	ORDER No.	
			M <b>8</b> 3 m	CS-B1-01-G-03	95A251490	
MO C	3	Grey, P.V.C.	5 m	CS-B1-01-G-05	95A251510	
M8 Connector (Axial)			2 m	CS-B1-01-R-02	95A251580	
( bildly		P.U.R.	5 m	CS-B1-01-R-05	95A251600	
		Grey, P.V.C.	3 m	CS-B2-01-G-03	95A251500	
M8 Connector (Radial 90°)	3		5 m	CS-B2-01-G-05	95A251520	
(Ndulat 70 )		P.U.R.	2 m	CS-B2-01-R-02	95A251590	
			5 m	CS-B2-01-R-05	95A251610	
			3 m	CS-B1-02-G-03	95A251420	
		Grey, P.V.C.	5 m	CS-B1-02-G-05	95A251430	
			7 m	CS-B1-02-G-07	95A251440	
M8 Connector	4		10 m	CS-B1-02-G-10	95A251480	
(Axial)	4	P.U.R.	2 m	CS-B1-02-R-02	95A251620	
		1.0.11.	5 m	CS-B1-02-R-05	95A251640	
		OIL resistant	5 m	CS-B1-02-0-05	95A251730	
		(CEI 2034-01)	10 m	CS-B1-02-0-10	95A251100	
			3 m	CS-B2-02-G-03	95A251450	
			5 m	CS-B2-02-G-05	95A251460	
		Grey, PVC	7 m	CS-B2-02-G-07	95A251470	
M8 Connector			10 m	CS-B2-02-G-10	95A251530	
(Radial 90°)	4		2 m	CS-B2-02-R-02	95A251630	
		P.U.R.	5 m	CS-B2-02-R-05	95A251650	
		200				
		OIL resistant (CEI 2034-01)	5 m	CS-B2-02-0-05	95A251720	
			10 m //12	CS-B2-02-0-10	95A251110	
		'	3 m	CS-A1-01-G-03	95A251290	
M12 Connector	3		5 m	CS-A1-01-G-05	95A251300	
(Axial)		Grey, P.V.C.	7 m	CS-A1-01-G-07	95A251320	
. ,			10 m	CS-A1-01-G-10	95A251340	
				3 m	CS-A2-01-G-03	95A251200
	3	Grey, P.V.C.				
			5 m	CS-A2-01-G-05	95A251210	
M12 Connector			7 m	CS-A2-01-G-07	95A251220	
(Radial 90°)		3		10 m	CS-A2-01-G-10	95A251230
		OIL resistant	3 m	CS-A2-01-0-03	95A251660	
		(CEI 2034-01)	5 m	CS-A2-01-0-05	95A251670	
			10 m	CS-A2-01-0-10	95A251680	
M12 Connector with LED			5 m	CS-A2-11-G-05	95A251310	
or PNP N.O. sensors) (Radial 90°)	3	Grey, P.V.C.	10 m	CS-A2-11-G-10	95A251330	
	2	C DVC				
ielded M12 Connector (Axial)	3	Grey, P.V.C.	10 m	CV-A1-21-G-10	95ACC2060	
2 Connector Axial Double Keyd			2 m	CS-A1-21-R-02	95ACC8000	
+ PE for AC inductive	3	Orange, P.V.C.	3 m	CS-A1-21-R-03	95ACC8010	
			5 m	CS-A1-21-R-05	95ACC8020	
			3 m	CS-A1-02-G-03	95A251380	
		Grey, P.V.C.	5 m	CS-A1-02-G-05	95A251270	
M12 Connector	4	O1Cy, 1. V.C.	7 m	CS-A1-02-G-07	95A251280	
(Axial)	4		10 m	CS-A1-02-G-10	95A251390	
		DUD	2 m	CS-A1-02-R-02	95A251540	
		P.U.R.	5 m	CS-A1-02-R-05	95A251560	
			3 m	CS-A2-02-G-03	95A251360	
			5 m	CS-A2-02-G-05	95A251240	
		Grey, P.V.C.	7 m	CS-A2-02-G-07	95A251245	
M12 Connector			10 m	CS-A2-02-G-10	95A251240	
(Radial 90°)	4		2 m	CS-A2-02-R-02	95A251550	
· · · · · · · /		P.U.R.	5 m	CS-A2-02-R-05	95A251570	
		OIL resistant	5 m	CS-A2-02-0-05	95A251690	
		(CEI 2034-01)	10 m	CS-A2-02-0-10	95A251700	
M12 Connector with LED			3 m	CS-A2-12-G-03	95A251400	
(for PNP N.O. sensors)	4	Grey, P.V.C.	5 m	CS-A2-12-G-05	95A251350	
(Radial 90°)			10 m	CS-A2-12-G-10	95A251370	

			3 m	CV-A1-22-B-03	95ACC1480
			5 m	CV-A1-22-B-05	95ACC1490
Shielded M12 Connector (Axial)	4	Black, P.V.C.	10 m	CV-A1-22-B-10	95ACC1500
( May			15 m	CV-A1-22-B-15	95ACC2070
			25 m	CV-A1-22-B-25	95ACC2090
			3 m	CV-A2-22-B-03	95ACC1540
Shielded M12 Connector (Radial 90°)	4	Black, P.V.C.	5 m	CV-A2-22-B-05	95ACC1550
(Nadiat 70 )			10 m	CV-A2-22-B-10	95ACC1560
	4	U.L., Black, P.V.C.	3 m	CS-A1-02-U-03	95ASE1120
			5 m	CS-A1-02-U-05	95ASE1130
M12 Connector (Axial)			10 m	CS-A1-02-U-10	95ASE1140
( blidly			15 m	CS-A1-02-U-15	95ASE1150
			25 m	CS-A1-02-U-25	95ASE1160
CONNECTOR (not cabled)					
M12 Connector (Axial)	4	Black	Connector- not cabled	CS-A1-02-B-NC	G5085002
M12 Connector (Radial 90°)	4	Black	Connector- not cabled	CS-A2-02-B-NC	G5085003

## CONNECTOR

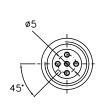
### **RADIAL M12**





9.8

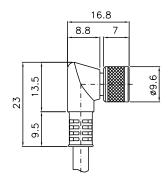
ø6.3

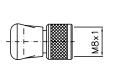


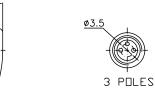
# 10 14 8888

**AXIAL M12** 

### **RADIAL M8**

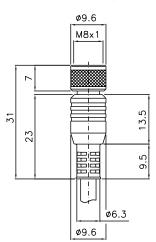








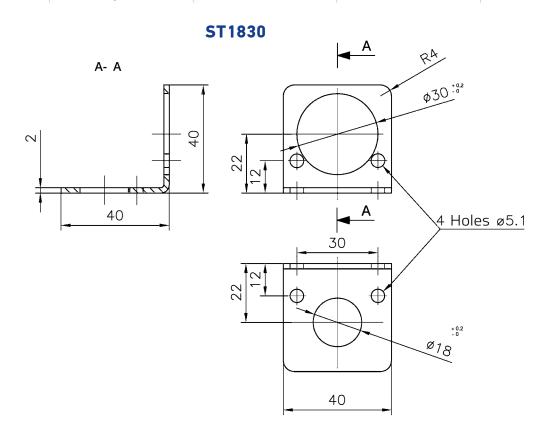
### **AXIAL M8**



# CABLES, CONNECTORS & ACCESSORIES

Accessories Selection And Order Information

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



# 

mm

# **NOTES**

### INDEX Inductive

M4, M5, 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-S1	95B066010	BASIC	10			
IS-65-B1-03	95B064750	BASIC	11			
IS-65-B1-S1	95B066070	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			
IS-65-H4-03	95B064860	BASIC	13			
IS-65-H4-S1	95B066180	BASIC	13			
IS-65-M1-03	95B064760	STAINLESS STEEL	36			
IS-65-M1-U3	95B064760 95B066080	STAINLESS STEEL STAINLESS STEEL	36			
IS-65-M2-03	95B064800	STAINLESS STEEL	36			
IS-65-M2-U3 IS-65-M2-S1	95B064800 95B066120	STAINLESS STEEL 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	STAINLESS STEEL	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
	N	48	
SENSOR	Order No.	Category	Pag.
IS-08-A1-03	95B061121	BASIC	14
IS-08-A1-S1	95B061141	BASIC	14
IS-08-A1-S2	95B061131	BASIC	14
IS-08-A20-03	95B066740	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	BASIC	16
IS-08-B1-S2	95B066590	BASIC	16
IS-08-B2-03	95B061951	BASIC	16
IS-08-B2-S1	95B066890	BASIC	16
IS-08-B2-S2	95B066620	BASIC	16
IS-08-B3-03	95B061861	BASIC	16
IS-08-B3-S1	95B066810	BASIC	16
IS-08-B3-S2	95B066530	BASIC	16
IS-08-B4-03	95B061891	BASIC	16
IS-08-B4-S1	95B066830	BASIC	16
IS-08-B4-S2	95B066560	BASIC	16
IS-08-C1-03	95B061521	BASIC	15
IS-08-C1-S1	95B061541	BASIC	15
IS-08-C1-S2	95B061531	BASIC	15
IS-08-C20-03	95B066750	NAMUR	65
IS-08-C20-S1	95B066790	NAMUR	65
IS-08-C20-S2	95B066770	NAMUR	65
IS-08-C2-03	95B061551	BASIC	15
IS-08-C2-S1	95B061571	BASIC	15
IS-08-C2-S2	95B061561	BASIC	15
IS-08-C3-03	95B066410	BASIC	15
IS-08-C3-S1	95B061481	BASIC	15
IS-08-C3-S2	95B061471	BASIC	15
IS-08-C4-03	95B066450	BASIC	15
IS-08-C4-S1	95B061511	BASIC	15
IS-08-C4-S2	95B061501	BASIC	15
IS-08-D1-03	95B062321	BASIC	17
IS-08-D1-S1	95B066970	BASIC	17
IS-08-D1-S2	95B066700	BASIC	17
IS-08-D2-03	95B062351	BASIC	17
IS-08-D2-S1	95B067000	BASIC	17
IS-08-D2-S2	95B066720	BASIC	17
IS-08-D3-03	95B066430	BASIC	17
IS-08-D3-S1	95B066920	BASIC	17
IS-08-D3-S2	95B066650	BASIC	17
IS-08-D4-03	95B062291	BASIC	17
IS-08-D4-S1	95B066940	BASIC	17
IS-08-D4-S2	95B066670	BASIC	17
IS-08-G1-03	95B066370	BASIC	18
IS-08-G1-S1	95B066850	BASIC	18
IS-08-G1-S2	95B066580	BASIC	18
IS-08-G2-03	95B066390	BASIC	18
IS-08-G2-S1	95B066880	BASIC	18
IS-08-G2-S2	95B066610	BASIC	18
10 00 02-32	,00000010	DAGIO	10

IS-08-G3-03	95B066330	BASIC	18	IS-12-C20-03	95B064170	NAMUR	66
IS-08-G3-S1	95B066800	BASIC	18	IS-12-C20-S2	95B064190	NAMUR	66
IS-08-G3-S2	95B066520	BASIC	18	IS-12-C2-03	95B061671	BASIC	20
IS-08-G4-03	95B066350	BASIC	18	IS-12-C2-S2	95B061681	BASIC	20
IS-08-G4-S1	95B063131	BASIC	18	IS-12-C3-03	95B061581	BASIC	20
IS-08-G4-S2	95B066550	BASIC	18	IS-12-C3-S2	95B061591	BASIC	20
IS-08-H1-03	95B066480	BASIC	19	IS-12-C4-03	95B061611	BASIC	20
IS-08-H1-S1	95B066960	BASIC	19	IS-12-C4-S2	95B061621	BASIC	20
IS-08-H1-S2	95B066690	BASIC	19	IS-12-C9-03	95B064110	BASIC	20
				IS-12-C9-S2	95B064140	BASIC	20
IS-08-H2-03	95B066500	BASIC	19	IS-12-D1-03	95B062441	BASIC	21
IS-08-H2-S1	95B066990	BASIC	19	IS-12-D1-S2	95B062451	BASIC	21
IS-08-H2-S2	95B063301	BASIC	19	IS-12-D2-03	95B062471	BASIC	21
IS-08-H3-03	95B066420	BASIC	19	IS-12-D2-S2	95B062481	BASIC	21
IS-08-H3-S1	95B066910	BASIC	19	IS-12-D3-03	95B062381	BASIC	21
IS-08-H3-S2	95B066640	BASIC	19	IS-12-D3-S2	95B062391	BASIC	21
IS-08-H4-03	95B066460	BASIC	19	IS-12-D4-03	95B062411	BASIC	21
IS-08-H4-S1	95B063251	BASIC	19	IS-12-D4-S2	95B062421	BASIC	21
IS-08-H4-S2	95B063241	BASIC	19	IS-12-E0-03	95B067190	BASIC	22
IS-08-M1-03	95B066380	STAINLESS STEEL	38	IS-12-E0-S2	95B067230	BASIC	22
IS-08-M1-S1	95B066870	STAINLESS STEEL	38	IS-12-E1-03	95B067670	BASIC	22
IS-08-M1-S2	95B066600	STAINLESS STEEL	38	IS-12-E1-S2	95B067030	BASIC	22
IS-08-M2-03	95B066400	STAINLESS STEEL	38	IS-12-E2-03	95B067680	BASIC	22
IS-08-M2-S1	95B066900	STAINLESS STEEL	38	IS-12-E2-S2	95B067640	BASIC	22
IS-08-M2-S2	95B066630	STAINLESS STEEL	38	IS-12-E2-32 IS-12-E3-03	95B067690	BASIC	22
IS-08-M3-03	95B066340	STAINLESS STEEL	38				
IS-08-M3-S1	95B066820	STAINLESS STEEL	38	IS-12-E3-S2	95B067650	BASIC	22
IS-08-M3-S2	95B066540	STAINLESS STEEL	38	IS-12-E4-03	95B067700	BASIC	22
IS-08-M4-03	95B066360	STAINLESS STEEL	38	IS-12-E4-S2	95B067660	BASIC	22
IS-08-M4-S1	95B066840	STAINLESS STEEL	38	IS-12-E9-03	95B067200	BASIC	22
IS-08-M4-S2	95B066570	STAINLESS STEEL	38	IS-12-E9-S2	95B067240	BASIC	22
			39	IS-12-F1-03	95B067740	BASIC	22
IS-08-N1-03	95B066490	STAINLESS STEEL		IS-12-F1-S2	95B067020	BASIC	22
IS-08-N1-S1	95B066980	STAINLESS STEEL	39	IS-12-F0-03	95B067210	BASIC	22
IS-08-N1-S2	95B066710	STAINLESS STEEL	39	IS-12-F0-S2	95B067250	BASIC	22
IS-08-N2-03	95B066510	STAINLESS STEEL	39	IS-12-F2-03	95B067750	BASIC	22
IS-08-N2-S1	95B067010	STAINLESS STEEL	39	IS-12-F2-S2	95B067710	BASIC	22
IS-08-N2-S2	95B066730	STAINLESS STEEL	39	IS-12-F3-03	95B067760	BASIC	22
IS-08-N3-03	95B066440	STAINLESS STEEL	39	IS-12-F3-S2	95B067720	BASIC	22
IS-08-N3-S1	95B066930	STAINLESS STEEL	39	IS-12-F4-03	95B067770	BASIC	22
IS-08-N3-S2	95B066660	STAINLESS STEEL	39	IS-12-F4-S2	95B067730	BASIC	22
IS-08-N4-03	95B066470	STAINLESS STEEL	39	IS-12-F9-03	95B067220	BASIC	22
IS-08-N4-S1	95B066950	STAINLESS STEEL	39	IS-12-F9-S2	95B067260	BASIC	22
IS-08-N4-S2	95B066680	STAINLESS STEEL	39	IS-12-G1-03	95B063361	BASIC	23
				IS-12-G1-S2	95B063371	BASIC	23
				IS-12-G2-03	95B063381	BASIC	23
		112		IS-12-G2-S2	95B063391	BASIC	23
SENSOR	Order No.	Category	Pag.	IS-12-G3-03	95B063321	BASIC	23
IS-12-A0-03	95B064030	BASIC	20	IS-12-G3-S2	95B063331	BASIC	23
IS-12-A0-S2	95B064060	BASIC	20	IS-12-G4-03	95B063341	BASIC	23
IS-12-A1-03	95B061241	BASIC	20	IS-12-G4-S2	95B063351	BASIC	23
IS-12-A1-S2	95B061251	BASIC	20	IS-12-G5-03	95B062681	BASIC	23
IS-12-A15-03	95B060680	INDUCTIVE AC	56	IS-12-G5-S2	95B062691	BASIC	23
IS-12-A15-S2	95B060690	INDUCTIVE AC	56	IS-12-G6-03	95B062661	BASIC	23
IS-12-A20-03	95B064160	NAMUR	66	IS-12-G6-S2	95B062671	BASIC	23
IS-12-A20-S2	95B064180	NAMUR	66	IS-12-H1-03	95B063441	BASIC	23
IS-12-A2-03	95B061271	BASIC	20	IS-12-H1-S2	95B063451	BASIC	23
IS-12-A2-S2	95B061281	BASIC	20	IS-12-H2-03	95B063461	BASIC	23
IS-12-A3-03	95B061181	BASIC	20	IS-12-H2-S2	95B063471	BASIC	23
IS-12-A3-S2	95B061191	BASIC	20	IS-12-H3-03	95B063401	BASIC	23
IS-12-A4-03	95B061211	BASIC	20	IS-12-H3-S2	95B063411	BASIC	23
IS-12-A4-S2	95B061221	BASIC	20	IS-12-H4-03	95B063421	BASIC	23
IS-12-A9-03	95B064100	BASIC	20	IS-12-H4-S2	95B063431	BASIC	23
IS-12-A9-S2	95B063931	BASIC	20	IS-12-H5-03	95B062761	BASIC	23
IS-12-B1-03	95B062041	BASIC	21	IS-12-H5-S2	95B062771	BASIC	23
IS-12-B1-S2	95B062051	BASIC	21	IS-12-H6-03	95B062771	BASIC	23
IS-12-B2-03	95B062071	BASIC	21	IS-12-H6-S2	95B062741	BASIC	23
IS-12-B2-S2	95B062081	BASIC	21	IS-12-H6-52 IS-12-I1-S2	95B062751 95B065340	METAL FACE	48
IS-12-B3-03	95B061981	BASIC	21				
IS-12-B3-S2	95B061991	BASIC	21	IS-12-L1-S2	95B063871	METAL FACE	48
IS-12-B4-03	95B062011	BASIC	21	IS-12-M1-S2	95B060240	STAINLESS STEEL	40
IS-12-B4-S2	95B062021	BASIC	21	IS-12-M2-S2	95B060250	STAINLESS STEEL	40
IS-12-C0-03	95B064040	BASIC	20	IS-12-M3-S2	95B060260	STAINLESS STEEL	40
IS-12-C0-S2	95B064080	BASIC	20	IS-12-M4-S2	95B060270	STAINLESS STEEL	40
IS-12-C1-03	95B061641	BASIC	20	IS-12-N1-S2	95B060280	STAINLESS STEEL	40
				IS-12-N2-S2	95B060290	STAINLESS STEEL	40
IS-12-C1-S2	95B061651	BASIC	20	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
IS-12-P3-S2	95B060060	STAINLESS STEEL	41
IS-12-P4-S2	95B060070	STAINLESS STEEL	41
IS-12-P4-S2	95B060070	STAINLESS STEEL	41
IS-F12-S1-S2	95B065360	WELD FIELD IMMUNE	52
IS-F12-T1-S2	95B065370	WELD FIELD IMMUNE	52

IS-F12-T1-S2	95B065370	WELD FIELD IMMUNE	52
	N	118	
SENSOR		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	95B061751	BASIC	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-E0-03	95B067270	BASIC	26
IS-18-E0-S2	95B067310	BASIC	26
IS-18-E1-03	95B067810	BASIC	26
IS-18-E2-03	95B067820	BASIC	26
IS-18-E2-S2	95B067780	BASIC	26
IS-18-E3-03	95B067830	BASIC	26
IS-18-E3-S2	95B067790	BASIC	26
IS-18-E4-03	95B067840	BASIC	26
IS-18-E4-S2	95B067800	BASIC	26
IS-18-E9-03	95B067280	BASIC	26
IS-18-E9-S2	95B067320	BASIC	26
IS-18-F0-03	95B067290	BASIC	26

IS-18-F0-S2	95B067330	BASIC	26
IS-18-F1-03	95B067880	BASIC	26
IS-18-F1-S2	95B067040	BASIC	26
IS-18-F2-03	95B067890	BASIC	26
IS-18-F2-S2	95B067850	BASIC	26
IS-18-F3-03	95B067900	BASIC	26
IS-18-F3-S2	95B067860	BASIC	26
IS-18-F4-03	95B067910	BASIC	26
IS-18-F4-S2	95B067870	BASIC	26
IS-18-F9-03	95B067300	BASIC	26
IS-18-F9-S2	95B067340	BASIC	26
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-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-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-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-S2	95B060080	STAINLESS STEEL	43
IS-18-02-S2	95B060090	STAINLESS STEEL	43
IS-18-03-S2	95B060100	STAINLESS STEEL	43
IS-18-04-S2	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

M30					
SENSOR		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			28
	95B061781	BASIC	
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-D2-32	95B062581		29
		BASIC	
IS-30-D3-S2	95B062591	BASIC	29
IS-30-D4-03	95B062601	BASIC	29
IS-30-D4-S2	95B062611	BASIC	29
IS-30-E0-03	95B067350	BASIC	30
IS-30-E0-S2	95B067390	BASIC	30
IS-30-E1-03	95B067950	BASIC	30
IS-30-E1-S2	95B067060	BASIC	30
IS-30-E2-03	95B067960	BASIC	30
IS-30-E2-S2	95B067920	BASIC	30
IS-30-E3-03	95B067970	BASIC	30
IS-30-E3-S2	95B067930	BASIC	30
IS-30-E4-03	95B067980	BASIC	30
IS-30-E4-S2	95B067940	BASIC	30
IS-30-E9-03	95B067360	BASIC	30
IS-30-E9-S2	95B067400	BASIC	30
IS-30-F0-03	95B067370	BASIC	30
IS-30-F0-S2	95B067410	BASIC	30
IS-30-F1-03	95B068030	BASIC	30
IS-30-F1-S2	95B067990	BASIC	30
IS-30-F2-03	95B068040	BASIC	30
IS-30-F2-S2	95B068000	BASIC	30
IS-30-F3-03	95B068050	BASIC	30
IS-30-F3-S2	95B068010	BASIC	30
IS-30-F4-03	95B068060	BASIC	30
IS-30-F4-S2	95B068020	BASIC	30
IS-30-F9-03	95B067380	BASIC	30
IS-30-F9-S2	95B067420	BASIC	30
IS-30-G1-03	95B063681	BASIC	31
IS-30-G1-S2	95B063691	BASIC	31
IS-30-G2-03	95B063701	BASIC	31
IS-30-G2-S2	95B063711	BASIC	31
IS-30-G3-03	95B063641	BASIC	31
IS-30-G3-S2	95B063651	BASIC	31
IS-30-G4-03	95B063661	BASIC	31
IS-30-G4-S2	95B063671	BASIC	31
IS-30-G5-03	95B063821	BASIC	31
IS-30-G5-S2	95B063831	BASIC	31
IS-30-G6-03	95B064400	BASIC	31
IS-30-G6-S2	95B064430	BASIC	31
IS-30-H1-03	95B063761	BASIC	31
IS-30-H1-S2	95B063771	BASIC	31
IS-30-H2-03	95B063781	BASIC	31
IS-30-H2-S2	95B063791	BASIC	31
		DACIC	31
IS-30-H3-03	95B063721	BASIC	01
IS-30-H3-03 IS-30-H3-S2	95B063721 95B063731	BASIC	31

IS-30-H4-S2	95B063751	BASIC	31		
IS-30-H5-03	95B064420	BASIC	31		
IS-30-H5-S2	95B064450	BASIC	31		
IS-30-H6-03	95B064410	BASIC	31		
IS-30-H6-S2	95B064440	BASIC	31		
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-S2	95B060170	STAINLESS STEEL	45		
IS-30-03-S2	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		
SQUARE					
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		

SQUARE

73 73

74

74

72

72

73

73

75

75

### Capacitive

IS-40-W7-S3

IS-40-W8-S3

IS-40-X5-S2

IS-40-X6-S2

IS-40-Y5-S3

IS-40-Y6-S3

IS-40-Y7-S3

IS-40-Y8-S3

IS-88-Q1-03

IS-88-Q1-S1

95B065250

95B065260

95B065320

95B065310

95B065280

95B065270

95B065290

95B065300

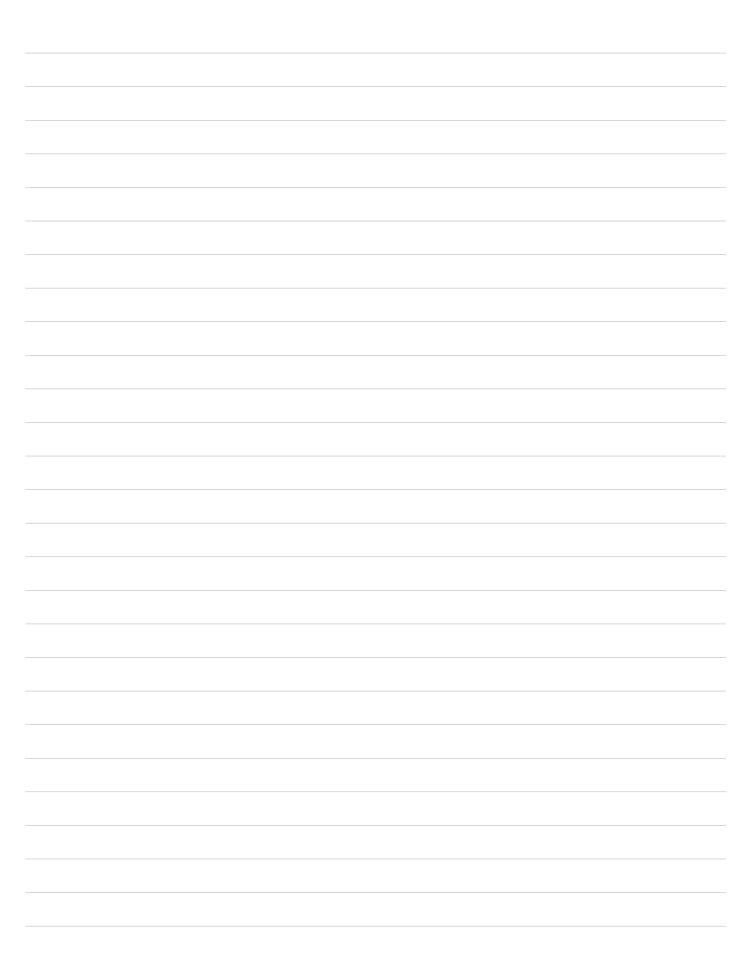
95B060830

95B060840

Capacitive			
	M	118	
SENSOR		Category	Pag.
CS08K2	958901040	basic	78
CS07K2	958901000	basic	78
CS08	958901020	basic	78
CS07	958901160	basic	78
CS14K2	958901270	basic	78
CS13K2	958901250	basic	78
CS14	958901120	basic	78
CS13	958901100	basic	78
CSP40K4	958901380	Capacitve A.C.	80
CSP41K4	958901390	Capacitve A.C.	80
	N	130	
SENSOR		Category	Pag.
CS10K2	958901080	basic	79
CS10	958901060	basic	79
CS16K2	958901330	basic	79
CS16	958901140	basic	79
CS09K2	958901230	basic	79
CS09	958901180	basic	79
CS15K2	958901300	basic	79
CS15	958901200	basic	79
CSP50K4	958901400	Capacitve A.C.	81
CSP51K4	958901410	Capacitve A.C.	81
CS31	958901150	Multi-voltage (timer)	82
CS32	958901220	Multi-voltage (timer)	82
CS31TD5	958901350	Multi-voltage (timer)	82
CS32TD5	958901360	Multi-voltage (timer)	82
CS31TE5	958901210	Multi-voltage (timer)	82
CS32TE5	958901370	Multi-voltage (timer)	82

93

# **NOTES**



# **NOTES**



Rev. 12, 02/2020