

Inductive Proximity





DATALOGIC: SOLUTIONS FOR INDUSTRIAL AUTOMATION



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

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

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

Factory Automation

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

Transportation & Logistics

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

Product portfolio

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

Identification

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

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

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

Sensors & Safety

Datalogic Industrial Automation offers a best-in-class, comprehensive product portfolio of photoelectric and proximity sensors, rotary encoders, temperature controllers and measurement devices, as well as type 2 and type 4 safety light curtains.

These product lines provide solutions for applications involving color, contrast and luminescence, label detection, dimensional and distance measurement, in addition to machine safeguarding and access control in dangerous areas.

Machine Vision

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

Laser Marking

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



Inductive Sensors

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

ADVANTAGES

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

DISADVANTAGES

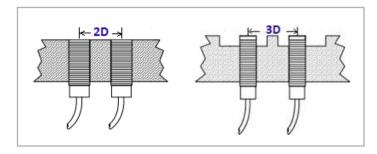
- -only detect metallic objects
- -low operating distance
- -sensitive to electromagnetic interference (such as electric welding, induction ovens)

Shielded models - FLUSH mounting

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

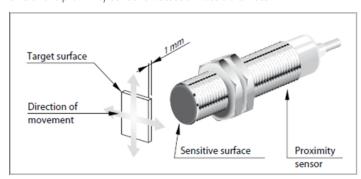
These special field immune models are ideal for welding environments and other applications where large magnetic fields are present. They are rated for reliable operation near the current line carrying 20,000 amps.

NAMUR version:

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

The switch amplifier must be installed outside the explosive area. Almost all versions have IP67 mechanical protection.

Nominal Switching distance (Sn) According to EN 60947-5-2 When an inductive proximity sensor is rated for sensing distance, it refers to the sensor's ability to detect the 'standard detectable object" at its specified sensing distance. The 'standard detectable object" is a 1mm thick square piece of ferrous iron that is in height and width the size of the proximity sensor's detection face's diameter.

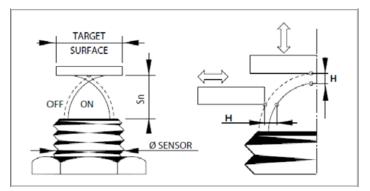


When the object to be detected is a different metal material, multiply the value of the rated operating distance for a reduction factor. The table beside shows the reduction factors of the main metals used in industry.

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

Hysteresis (H):

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



AC/DC version:

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

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 FLUSH models are ATEX certified II3G EX nA II T6 I I 3D EX tD A22 IP67 T85°C



OPERATING DISTANCE

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

HOUSING LENGTHS

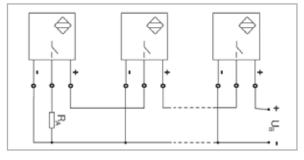
The following table shows the approximate length (mm) intervals for all categories and models of tubular inductive sensors.

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

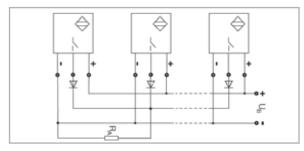
WIRES

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

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



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



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

ELECTRICAL PARAMETERS

NOMINAL VOLTAGE

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

RESIDUAL RIPPLE

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

MAX. OUTPUT CURRENT

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

MIN. OUTPUT CURRENT

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

RESIDUAL CURRENT

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

VOLTAGE DROP

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

START UP DELAY

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

SWITCHING FREQUENCY

Refers to the maximum number of switching operations per second.

SHORT CIRCUIT PROTECTION

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

PROTECTION AGAINST INVERSION OF POLARITY

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

■ INDUCTIVE LOAD PROTECTION

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

INDEX

08 32 **BASIC** STAINLESS STEEL

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

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

54 60 INDUCTIVE AC **NAMUR**

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

- Stainless Steel housing
- Short length
- Operating distance 0.8 ... 15 mm
- M12, M18
- cable, M8 or M12 connector
- 2 wires
- PNP, NO

H is Store Shirt

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

M8

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

M12

- flush, non-flush
- Stainless Steel, Nickel plated-Brass
- 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.

METAL FACE

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

WELD FIELD IMMUNE

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

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BASIC

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SQUARE

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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

SQUARE

2,3,4 wires

M12, M8 connector

CABLES, CONNECTORS & ACCESSORIES

- axial or radial 90°
- shielded or unshielded
- double key
- A.C. cable
- 3, 5, 7, 10, 15, 25m cable

M18

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

M30

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

SQUARE 40X40

- flush, non-flush
- 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

SOUARE 8X8

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

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

"M12/18/30 모델은 Diversey & ECOLAB 테스트(세제에 대한 부식)를 거친 제품입니다"









M12/18/30 FLUSH models are ATEX certified 113G EX nA II T6 113D EX tD A22 IP67 T85°C





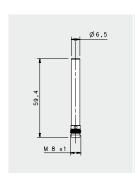




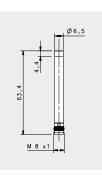


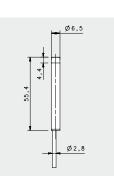
BASIC M6.5



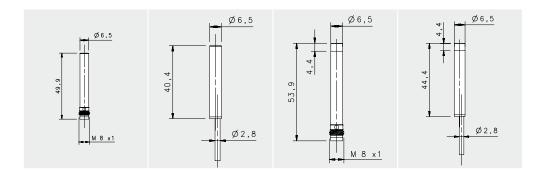








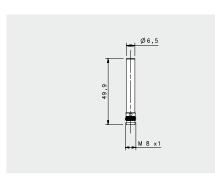
					STAN	DARD	
				FLU	ISH	NON F	LUSH
				M8 conn	cable	M8 conn	cable
OMINAL SWITCH	ING DISTAN	CE		1,5 mm	1,5 mm	2 mm	2 mm
10-30 Vdc	PNP/NPN	4 wires					
	NO-NC		order No.				
10-30 Vdc	PNP	3 wires		IS-65-A1-S1	IS-65-A1-03	IS-65-C1-S1	IS-65-C1-03
	NO		order No.	95B066050	95B064730	95B066210	95B064890
10-30 Vdc	PNP	3 wires		IS-65-A2-S1	IS-65-A2-03	IS-65-C2-S1	IS-65-C2-03
	NC		order No.	95B066090	95B064770	95B066250	95B066300
10-30 Vdc	NPN	3 wires		IS-65-A3-S1	IS-65-A3-03	IS-65-C3-S1	IS-65-C3-03
	NO		order No.	95B064970	95B064650	95B066130	95B064810
0-30 Vdc	NPN	3 wires		IS-65-A4-S1	IS-65-A4-03	IS-65-C4-S1	IS-65-C4-03
	NC		order No.	95B066010	95B064690	95B066170	95B064850
10-30 Vdc	PNP	3 wires					
	NO-NC		order No.				
10-30 Vdc	NPN	3 wires					
	NO-NC		order No.				
10-30 Vdc	NO-NC	2 wires					
			order No.				
20-250 Vac/Vdc	NO	2 wires					
			order No.				
20-250 Vac/Vdc	NC	2 wires					
		2 Wiles	order No.				
20-250 Vac/Vdc	NO	2/3wires					
			order No.				
Analog 0-20 mA	_	3 wires					
			order No.				
5+24 Vdc	NAMUR	2 wires					
			order No.				
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%	< 10%
lysteresis				< 10%	< 10%	< 10%	< 10%
Max. Output Curre	nt			200 mm	200 mA	200 mm	200 mA
Max. Output Curre Min. Output Curre				200 111111	200 IIIA	200 111111	200 IIIA
Residual Current	:111			< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA
				< 1,2 V (I=100 mA)			
/oltage Drop Operation Led				Yellow	Yellow	Yellow	Yellow
•	251			1000 Hz	1000 Hz	1000 Hz	1000 Hz
Switching Freque Start Up Delay	iicy			< 50 ms			< 50 ms
Repeability				< 3%	< 50 ms < 3%	< 50 ms < 3%	< 3%
Repeablify Short Circuit Prote	action			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting
SHOIL CITCUIT PIOU	ECCION			, ,,			
Electric Protection	ו			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa inductive loads
emperature 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
Table Section					3x 0,14 mm²		3x 0,14 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Out	tput				80 g		80 g
Neight - M12 Con	nector Outnut			40 g		40 g	

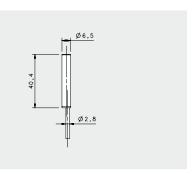


SHORT					
FLI	JSH		LUSH		
M8 conn	cable	M8 conn	cable		
1,5 mm	1,5 mm	2 mm	2 mm		
	.,5	2 111111			
IS-65-B1-S1	IS-65-B1-03	IS-65-D1-S1	IS-65-D1-03		
95B066070	95B064750	95B066230	95B064910		
IS-65-B2-S1	IS-65-B2-03	IS-65-D2-S1	IS-65-D2-03		
95B066110	95B064790	95B066270	95B064950		
IS-65-B3-S1	IS-65-B3-03	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 inductive loads					
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)		
IP67	IP67	IP67	IP67		
	2 m		2 m		
	3 x 0,14 mm²		3 x 0,14 mm²		
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass		
	80 g		80 g		
40 g		40 g			

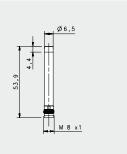
BASIC M6.5

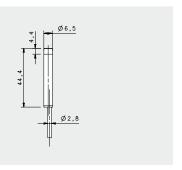






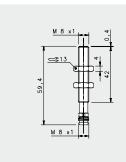
				SHORT X2				
				FLU	SH			
				M8 conn	cable			
OMINAL SWITCH	ING DISTANC	E		2 mm	2 mm			
10-30 Vdc	PNP/NPN NO-NC	4 wires	andan Na					
			order No.	 IS-65-G1-S1	 IS-65-G1-03			
0-30 Vdc	PNP NO	3 wires	order No.	95B066060	95B064740			
	PNP		Order 140.	IS-65-G2-S1	IS-65-G2-03			
10-30 Vdc	NC	3 wires	order No.	95B066100	95B064780			
10.701/1	NPN	<u>.</u>		IS-65-G3-S1	IS-65-G3-03			
10-30 Vdc	NO	3 wires	order No.	95B064980	95B064660			
10-30 Vdc	NPN	2 wires		IS-65-G4-S1	IS-65-G4-03			
10-30 Vac	NC	3 wires	order No.	95B066020	95B064700			
10-30 Vdc	PNP	3 wires						
	NO-NC	2 MILE2	order No.					
10-30 Vdc	NPN	3 wires						
	NO-NC	5	order No.					
10-30 Vdc	NO-NC	2 wires						
			order No.					
20-250 Vac/Vdc	NO	2 wires						
			order No.					
20-250 Vac/Vdc	NC	2 wires						
			order No.		 			
20-250 Vac/Vdc	NO	2/3 wires	audau Na					
			order No.		 			
Analog 0-20 mA	-	3 wires	order No.					
			order No.					
5+24 Vdc	NAMUR	2 wires	order No.					
			order rior					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)			
Residual Ripple				< 10%	< 10%			
lysteresis				< 10%	< 10%			
л Лах. Output Curre	nt			200 mA	200 mA			
Min. Output Curre	ent							
Residual Current				< 10 mA	< 10 mA			
/oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (l=100mA)			
Operation Led				Yellow	Yellow			
Switching Freque	ncy			500 Hz	500 Hz			
Start Up Delay				< 75 ms	< 75 ms			
Repeability				< 3%	< 3%			
Short Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)			
Electric Protection	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads			
emperature Limit				(-25 +70 °C)	(-25 +70 °C)			
Protection Degree				IP67	IP67			
able Length					2 m			
Table Section					3 x 0,14 mm²			
Housing Material				Nickel-plated brass	Nickel-plated brass			
Weight - Cable Ou					80 g			
Weight - M12 Con	nector Output			40 g				

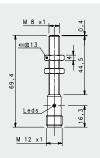


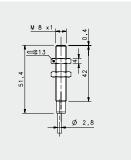


SHORT X 2						
NON FLUSH						
M8 conn	cable					
3 mm	3 mm					
IS-65-H1-S1	IS-65-H1-03					
95B066220	95B064900					
IS-65-H2-S1	IS-65-H2-03					
95B066260	95B064940					
IS-65-H3-S1	IS-65-H3-03					
95B066140	95B064820					
IS-65-H4-S1	IS-65-H4-03					
95B066180	95B064860					
						
						
				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

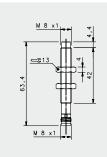


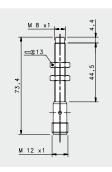


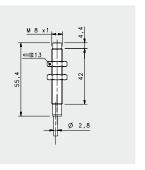




					STANDARD	
					FLUSH	
				M8 conn	M12 conn	cable
IOMINAL SWITCH	IING DISTANO	CE		1,5 mm	1,5 mm	1,5 mm
10-30 Vdc	PNP/NPN	4 wires				
	NO-NC		order No.			
10-30 Vdc	PNP	3 wires		IS-08-A1-S1	IS-08-A1-S2	IS-08-A1-03
	NO		order No.	95B061141	958061131	95B061121
10-30 Vdc	PNP NC	3 wires	and an Na	IS-08-A2-S1	IS-08-A2-S2	IS-08-A2-03
			order No.	95B061171 IS-08-A3-S1	95B061161	95B061151
10-30 Vdc	NPN NO	3 wires	order No.	95B061081	IS-08-A3-S2 95B061071	IS-08-A3-03 95B061061
	NPN		order No.	IS-08-A4-S1	IS-08-A4-S2	IS-08-A4-03
10-30 Vdc	NC	3 wires	order No.	95B061111	95B061101	95B061091
	PNP		order No.			
10-30 Vdc	NO-NC	3 wires	order No.			
	NPN		order No.			
10-30 Vdc	NO-NC	3 wires	order No.			
			order ivo.			
10-30 Vdc	NO-NC	2 wires	order No.			
			order ivo.			
20-250 Vac/Vdc	NO	2 wires	order No.			
			order ivo.			
20-250 Vac/Vdc	NC	2 wires	order No.			
			order resi			
20-250 Vac/Vdc	NO	2/3 wires	order No.			
Analog 0-20mA	-	3 wires	order No.			
5+24 Vdc	NAMUR	2 wires	order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%
Max. Output Curre	nt			200mA	200mA	200mA
Min. Output Curre						
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 Freque	ncv			1000 Hz	1000 Hz	1000 Hz
Start Up Delay	1			< 50 ms	< 50 ms	< 50 ms
Repeability				< 3%	< 3%	< 3%
Short Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67
Cable Length					===	2 m
Cable Section						3x 0,14 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Ou	tput			,	,	80 g
Weight - M12 Con				35g	55g	

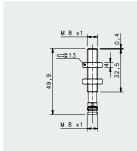


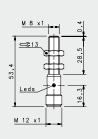


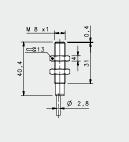


	STANDARD	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-C1-S1	IS-08-C1-S2	IS-08-C1-03
95B061541	95B061531	95B061521
IS-08-C2-S1	IS-08-C2-S2	IS-08-C2-03
95B061571	95B061561	95B061551
IS-08-C3-S1	IS-08-C3-S2	IS-08-C3-03
95B061481	95B061471	95B066410
IS-08-C4-S1	IS-08-C4-S2	IS-08-C4-03
95B061511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

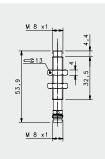


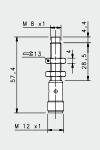


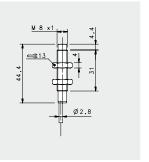




					SHORT	
					FLUSH	
				M8 conn	M12 conn	cable
OMINAL SWITCH	HING DISTANCE	E		1,5 mm	1,5 mm	1,5 mm
	PNP/NPN					
0-30 Vdc	NO-NC	4 wires	order No.			
	DND		oraci itai	IS-08-B1-S1	IS-08-B1-S2	IS-08-B1-03
0-30 Vdc	NO	3 wires	order No.	95B066860	95B066590	95B061921
	PNP			IS-08-B2-S1	IS-08-B2-S2	IS-08-B2-03
10-30 Vdc	NC	3 wires	order No.	95B066890	95B066620	95B061951
0.20141	NPN	<u>.</u>		IS-08-B3-S1	IS-08-B3-S2	IS-08-B3-03
0-30 Vdc	NO	3 wires	order No.	95B066810	95B066530	95B061861
0.2014-	NPN	2		IS-08-B4-S1	IS-08-B4-S2	IS-08-B4-03
0-30 Vdc	NC	3 wires	order No.	95B066830	95B066560	95B061891
0-30 Vdc	PNP	3 wires				
U-JU VUL	NO-NC	AMI162	order No.			
0-30 Vdc	NPN	3 wires				
O JO Vac	NO-NC	> MIIG2	order No.			
10-30 Vdc	NO-NC	2 wires				
0 30 vac	NO NC	Z WIICS	order No.			
.0-250 Vac/Vdc	NO	2 wires				
	140	2 001103	order No.			
20-250 Vac/Vdc	NC	2 wires				
			order No.			
:0-250 Vac/Vdc	NO	2/3 wires				
			order No.			
Analog 0-20mA	-	3 wires				
			order No.			
5+24 Vdc	NAMUR	2 wires	audau Na			
			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%
лах. Output Curre	nt			200mA	200mA	200mA
Ain. Output Curre						
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)
Operation Led				Yellow	Yellow	Yellow
Switching Freque	ncy			1000 Hz	1000 Hz	1000 Hz
Start Up Delay				< 50 ms	< 50 ms	< 50 ms
Repeability				< 3%	< 3%	< 3%
hort Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	n			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
emperature Limit	t			(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67
able Length						2 m
Table Section						3x 0,14 mm²
Housing Material Weight - Cable Ou	tnut			Nickel-plated brass	Nickel-plated brass	Nickel-plated brass 80 g
Weight - Cable Ou Weight - M12 Con	•			350	55g	
vergine - IVI IZ COIII	nector output			35g	ארר	

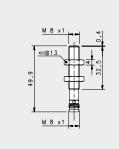


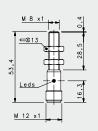


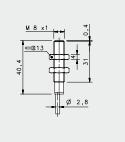


	SHORT	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-D1-S1	IS-08-D1-S2	IS-08-D1-03
95B066970	95B066700	95B062321
IS-08-D2-S1	IS-08-D2-S2	IS-08-D2-03
95B067000	95B066720	95B062351
IS-08-D3-S1	IS-08-D3-S2	IS-08-D3-03
95B066920	95B066650	95B066430
IS-08-D4-S1	IS-08-D4-S2	IS-08-D4-03
95B066940	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	Yellow	Yellow
1000 Hz	1000 Hz	1000 Hz
< 50 ms	< 50 ms	< 50 ms
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
IP67	IP67	IP67
		2 m
		3x 0,14 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
placed blass	mener places shaps	80 g
35g	55g	

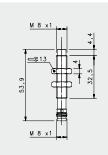


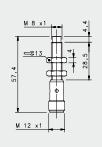


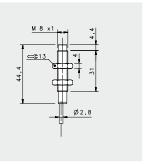




					SHORT X2	
					FLUSH	
			,	M8 conn	M12 conn	cable
OMINAL SWITCH	HING DISTANC	CE		2 mm	2 mm	2 mm
0-30 Vdc	PNP/NPN	4 wires				
0-30 Vuc	NO-NC	4 WITES	order No.			
0.207/4-	PNP	2		IS-08-G1-S1	IS-08-G1-S2	IS-08-G1-03
0-30 Vdc	NO	3 wires	order No.	95B066850	95B066580	95B066370
0.2074-	PNP	2		IS-08-G2-S1	IS-08-G2-S2	IS-08-G2-03
10-30 Vdc	NC	3 wires	order No.	95B066880	95B066610	95B066390
10 20 1/4-	NPN	2		IS-08-G3-S1	IS-08-G3-S2	IS-08-G3-03
10-30 Vdc	NO	3 wires	order No.	95B066800	95B066520	95B066330
0.2014-	NPN	2		IS-08-G4-S1	IS-08-G4-S2	IS-08-G4-03
0-30 Vdc	NC	3 wires	order No.	95B063131	95B066550	95B066350
	PNP	.				
0-30 Vdc	NO-NC	3 wires	order No.			
	NPN	.				
10-30 Vdc	NO-NC	3 wires	order No.			
10. 201//	No ric	.				
10-30 Vdc	NO-NC	2 wires	order No.			
20-250 Vac/Vdc	NO	2 wires	order No.			
20-250 Vac/Vdc	NC	2 wires	order No.			
			order 140.			
20-250 Vac/Vdc	NO	2/3 wires	order No.			
			order 140.			
Analog 0-20mA	-	3 wires	order No.			
			order ivo.			
5+24 Vdc	NAMUR	2 wires	order No.			
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%
Hysteresis				< 10%	< 10%	< 10%
Max. Output Curre	nt			200mA	200mA	200mA
Min. Output Curre	ent					
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)
Operation Led				Yellow	Yellow	Yellow
Switching Freque	ncy			500 Hz	500 Hz	500 Hz
Start Up Delay				< 75 ms	< 75 ms	< 75 ms
Repeability				< 3%	< 3%	< 3%
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	า			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
Temperature Limit	:			(-25 +60 °C)	(-25 +60 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67
Table Length						2 m
Table Section						3 x 0,14 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Out	tput			riener placed bruss	e.c. placed blass	80 g
Weight - M12 Coni	•			35g	55g	

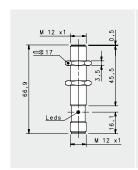


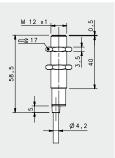


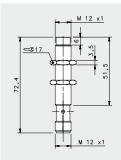


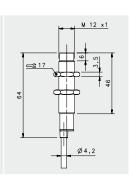
	SHORT X2	
	NON FLUSH	
M8 conn	M12 conn	cable
3 mm	3 mm	3 mm
IS-08-H1-S1	IS-08-H1-S2	IS-08-H1-03
95B066960	95B066690	95B066480
IS-08-H2-S1	IS-08-H2-S2	IS-08-H2-03
95B066990	95B063301	95B066500
IS-08-H3-S1	IS-08-H3-S2	IS-08-H3-03
95B066910	95B066640	95B066420
IS-08-H4-S1	IS-08-H4-S2	IS-08-H4-03
95B063251	95B063241	95B066460
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%
< 10%	< 10%	< 10%
200mA	200mA	200mA
		20011A
< 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 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
ivickei-piateu biass	ivickei-piateu viass	Nickei-plated brass 80 g
25a	EEa	
35g	55g	



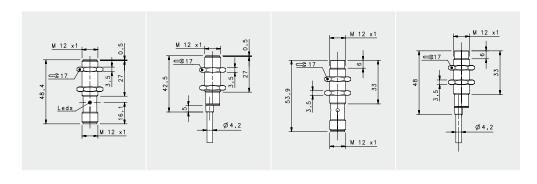






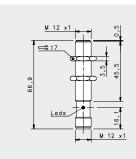


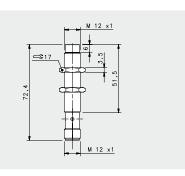
					STAN	DARD	
				FLUSH		NON FLUSH	
				M12 conn	cable	M12 conn	cable
IOMINAL SWITCH	HING DISTANC	CE		2 mm	2 mm	4 mm	4 mm
40.201/1	PNP/NPN	, .		IS-12-A0-S2	IS-12-A0-03	IS-12-C0-S2	IS-12-C0-03
10-30 Vdc	NO-NC	4 wires	order No.	95B064060	95B064030	95B064080	95B064040
10. 20.111	PNP	<u>.</u> .		IS-12-A1-S2	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. 20.11	PNP	. .		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. 20.11	NPN	. .		IS-12-A3-S2	IS-12-A3-03	IS-12-C3-S2	IS-12-C3-03
10-30 Vdc	NO	3 wires	order No.	95B061191	95B061181	95B061591	95B061581
	NPN			IS-12-A4-S2	IS-12-A4-03	IS-12-C4-S2	IS-12-C4-03
0-30 Vdc	NC	3 wires	order No.	95B061221	95B061211	95B061621	95B061611
10. 20.11	PNP	<u>.</u>					
10-30 Vdc	NO-NC	3 wires	order No.				
10. 20.11	NPN	<u>.</u>					
10-30 Vdc	NO-NC	3 wires	order No.				
				IS-12-A9-S2	IS-12-A9-03	IS-12-C9-S2	IS-12-C9-03
10-30 Vdc	NO-NC	2 wires	order No.	95B063931	95B064100	95B064140	95B064110
20-250 Vac/Vdc	NO	2 wires	order No.				
20-250 Vac/Vdc	NC	2 wires	order No.				
20-250 Vac/Vdc	NO	2/3wires	order No.				
Analog 0-20mA	-	3 wires	order No.				
- 24 144	NAMES	<u>.</u> .					
5+24 Vdc	NAMUR	2 wires	order No.				
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
Residual Ripple				< 10%	< 10%	< 10%	< 10%
				< 10%	< 10%	< 10%	< 10%
Hysteresis	_4						
Max. Output Curre				200mA; 100 mA (2wires)			
Min. Output Curre Residual Current	HIL			> 1,6 mA (2wires)			
				< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires)	< 10mA; < 1,6 mA (2wires
/oltage Drop				< 1,8V; < 6,5 V (2wires)	< 1,8V; < 6,5 V (2wires) Yellow	< 1,8V; < 6,5 V (2wires) Yellow	< 1,8V; < 6,5 V (2wires)
Operation Led	201			Yellow	1000 Hz		Yellow
Switching Freque	псу			1000 Hz < 50 ms	< 50 ms	1000 Hz < 50 ms	1000 Hz < 50 ms
Start Up Delay				< 3%	< 3%	< 3%	< 3%
Repeability Short Circuit Prote	action				< 3% Present (self-resetting)	< 3% Present (self-resetting)	
mort Circuit Prote	eccion			Present (self-resetting)	, ,,,		Present (self-resetting)
Electric Protection	1			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
emperature Limit	:			(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67	IP67	IP67
able Length					2 m		2 m
Table Section					2/3/4 x 0,25 mm²		2/3/4 x 0,25 mm²
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
Weight - Cable Out	tput				110 g		110 g
Weight - M12 Con	nector Output			60 g		60 g	



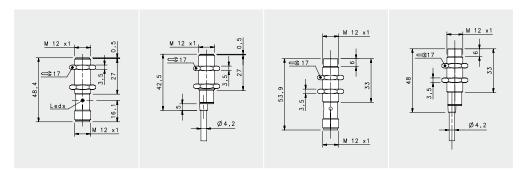
	SHO	ORT	
FLI	JSH	NON F	LUSH
M12 conn	cable	M12conn	cable
2 mm	2 mm	4 mm	4 mm
211111			
IS-12-B1-S2	IS-12-B1-03	IS-12-D1-S2	IS-12-D1-03
95B062051	95B062041	95B062451	95B062441
IS-12-B2-S2	IS-12-B2-03	IS-12-D2-S2	IS-12-D2-03
95B062081	95B062071	95B062481	95B062471
IS-12-B3-S2	IS-12-B3-03	IS-12-D3-S2	IS-12-D3-03
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)			
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			
(-25 +60 °C)	(-25 +70 °C)	(-25 +60 °C)	(-25 +70 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,25 mm²		3 x 0,25 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
	110 g		110 g
60 g		60 g	





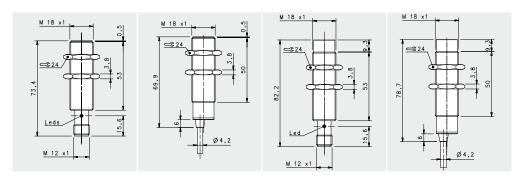


				STANDARD X2		
				FLUSH	NON FLUSH	
				M12 conn	M12 conn	
IOMINAL SWITCH	HING DISTANC	E		4 mm	8 mm	
10-30 Vdc	PNP/NPN	4 wires				
	NO-NC		order No.	 US 42 54 52	 IS 40 E4 S0	
10-30 Vdc	PNP NO	3 wires		IS-12-E1-S2	IS-12-F1-S2	
			order No.	95B067030 	95B067020 	
10-30 Vdc	PNP NC	3 wires	order No.			
	NPN		order No.			
0-30 Vdc	NO	3 wires	order No.			
	NPN		Order 140.			
0-30 Vdc	NC	3 wires	order No.			
	PNP					
10-30 Vdc	NO-NC	3 wires	order No.			
10 20 1/4-	NPN	2				
10-30 Vdc	NO-NC	3 wires	order No.			
10-30 Vdc	NO-NC	2 wires				
10-50 Vac	INO-INC	2 WITES	order No.			
20-250 Vac/Vdc	NO	2 wires				
10-230 vac/ vac	NO	2 WIIC3	order No.			
20-250 Vac/Vdc	NC	2 wires				
250 140, 140			order No.			
:0-250 Vac/Vdc	NO	2/3 wires				
			order No.			
Inalog 0-20mA	-	3 wires				
			order No.			
5+24 Vdc	NAMUR	2 wires	order No.			
			order No.			
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	
lysteresis				< 10%	< 10%	
<i>.</i> ⁄lax. Output Curre	nt			100 mA	100 mA	
/lin. Output Curre						
Residual Current				< 10 mA	< 10 mA	
oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	
peration Led				Yellow	Yellow	
witching Freque	ncy			500 Hz	500 Hz	
Start Up Delay				< 75 ms	< 75 ms	
Repeability				< 3%	< 3%	
Short Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)	
Electric Protection	า			Against polarity reversal inductive loads	Against polarity reversal inductive loads	
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	
able Length						
Table Section						
Housing Material				Nickel-plated brass	Nickel-plated brass	
Weight - Cable Ou						
Neight - M12 Con	nector Output			60 g	60 g	

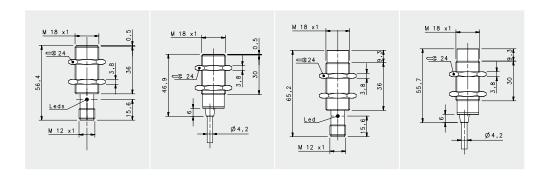


M12 con		SHO	RT X2		
4 mm 4 mm 8 mm 8 mm 1S-12-G0-52 1S-12-G0-03 1S-12-H0-52 1S-12-H0-03 958066/070 958063841 95806690 958066050 1S-12-G1-52 1S-12-H0-03 1S-12-H1-52 1S-12-H1-03 958063371 958063361 95806341 95806341 1S-12-G2-52 1S-12-G2-03 1S-12-H2-52 1S-12-H2-03 958063391 958063381 958063471 958063461 1S-12-G3-52 1S-12-G3-03 1S-12-H3-52 1S-12-H3-03 958063331 958063321 958063411 958063401 1S-12-G4-52 1S-12-G4-03 1S-12-H4-52 1S-12-H4-03 958063391 958063341 958063411 95806341 1S-12-G5-52 1S-12-G6-03 1S-12-H4-52 1S-12-H4-03 958062691 958062681 958062791 958062791 1S-12-G6-52 1S-12-G6-03 1S-12-H5-52 1S-12-H6-03 95806271 958062761 958062761 958062761 1S-12-G9-52 1S-12-G9-03 1S-12-H9-52 <t< th=""><th>FLL</th><th></th><th colspan="3"></th></t<>	FLL				
IS-12-G0-52	M12 con	cable	M12 conn	cable	
958064070 958063841 958064090 958064050	4 mm	4 mm	8 mm	8 mm	
IS-12-G1-52	IS-12-G0-S2	IS-12-G0-03	IS-12-H0-S2	IS-12-H0-03	
95B063371 95B063361 95B063451 95B063441 IS-12-02-52 IS-12-02-03 IS-12-H2-52 IS-12-H2-03 95B063391 95B063391 95B063321 95B063411 95B063461 IS-12-03-52 IS-12-03-03 IS-12-H3-52 IS-12-H3-03 95B063331 95B063321 95B063411 95B063411 IS-12-04-52 IS-12-04-03 IS-12-H4-52 IS-12-H4-03 95B063351 95B063341 95B063411 95B063421 IS-12-05-52 IS-12-06-03 IS-12-H5-52 IS-12-H6-03 95B062691 95B062691 95B06271 95B062761 IS-12-06-52 IS-12-06-03 IS-12-H5-52 IS-12-H6-03 95B062691 95B062661 95B062761 IS-12-09-52 IS-12-06-03 IS-12-H9-52 IS-12-H6-03 95B062671 95B062661 95B062761 95B062761 IS-12-09-52 IS-12-09-03 IS-12-H9-52 IS-12-H6-03 95B064130 95B063801 95B064150 95B064120	95B064070	95B063841	95B064090	95B064050	
IS-12-G2-52	IS-12-G1-S2	IS-12-G1-03	IS-12-H1-S2	IS-12-H1-03	
95B063391 95B063381 95B063471 95B063461 IS-12-G3-S2 IS-12-G3-O3 IS-12-H3-S2 IS-12-H3-03 95B063331 95B063321 95B063341 95B063411 95B063401 IS-12-G4-S2 IS-12-G4-O3 IS-12-H4-S2 IS-12-H4-O3 95B063351 95B063341 95B063341 95B063431 95B063421 IS-12-G5-S2 IS-12-G5-O3 IS-12-H5-S2 IS-12-H5-O3 95B062691 95B062681 95B062771 95B062761 IS-12-G6-S2 IS-12-G6-O3 IS-12-H6-S2 IS-12-H6-O3 95B062671 95B062661 95B062751 95B062741 IS-12-G9-S2 IS-12-G6-O3 IS-12-H6-S2 IS-12-H6-O3 95B06310 95B063801 95B064150 95B062741 IS-12-G9-S2 IS-12-G9-O3 IS-12-H9-S2 IS-12-H9-O3 95B064130 95B063801 95B064150 95B064120	95B063371	95B063361	95B063451	95B063441	
95B063391 95B063381 95B063471 95B063461 IS-12-G3-S2 IS-12-G3-O3 IS-12-H3-S2 IS-12-H3-O3 95B063331 95B063321 95B063411 95B063401 IS-12-G4-S2 IS-12-G4-O3 IS-12-H4-S2 IS-12-H4-O3 95B063351 95B063341 95B063431 95B063421 IS-12-G5-S2 IS-12-G5-O3 IS-12-H5-S2 IS-12-H5-O3 95B062691 95B062681 95B062771 95B062761 IS-12-G6-S2 IS-12-G6-O3 IS-12-H5-S2 IS-12-H6-O3 95B062671 95B062661 95B062751 95B062761 IS-12-G9-S2 IS-12-G6-O3 IS-12-H9-S2 IS-12-H6-O3 95B062671 95B062661 95B062751 95B062761 IS-12-G9-S2 IS-12-G9-O3 IS-12-H9-S2 IS-12-H9-O3 95B064130 95B063801 95B064150 95B064120	IS-12-G2-S2	IS-12-G2-03	IS-12-H2-S2	IS-12-H2-03	
958063331 958063321 958063411 958063401 IS-12-G4-S2 IS-12-G4-O3 IS-12-H4-S2 IS-12-H4-O3 958063351 958063341 958063431 958063421 IS-12-G5-S2 IS-12-G5-O3 IS-12-H5-S2 IS-12-H5-O3 958062691 958062681 958062771 958062761 IS-12-G5-S2 IS-12-G6-O3 IS-12-H6-S2 IS-12-H6-O3 958062691 958062661 958062771 958062761 IS-12-G9-S2 IS-12-G9-O3 IS-12-H6-S2 IS-12-H6-O3 958062671 958062661 958062751 958062761 IS-12-G9-S2 IS-12-G9-O3 IS-12-H9-S2 IS-12-H9-O3 958064130 958063801 958064150 958064120	95B063391	95B063381	95B063471	95B063461	
IS-12-G4-52	IS-12-G3-S2	IS-12-G3-03	IS-12-H3-S2	IS-12-H3-03	
IS-12-G4-52					
95B063351 95B063341 95B063431 95B063421 IS-12-G5-52	IS-12-G4-S2	IS-12-G4-03	IS-12-H4-S2		
IS-12-G5-S2				95B063421	
95B062691 95B062681 95B062771 95B062761 IS-12-G6-52 IS-12-G6-03 IS-12-H6-52 IS-12-H6-03 95B062661 95B062751 95B062741 IS-12-G9-52 IS-12-G9-03 IS-12-H9-52 IS-12-H9-03 95B064130 95B063801 95B064150 95B064120					
IS-12-G6-52					
95B062671 95B062661 95B062751 95B062741 S-12-G9-52 IS-12-G9-03 IS-12-H9-52 IS-12-H9-03 95B064130 95B063801 95B064150 95B064120					
IS-12-G9-S2					
95B064130 95B064150 95B064150 95B064150 95B064120 95B064150 95B064120 95B064150 95B064120 95B064150 95B064120 95B064120 95B064120 95B064150 95B064120 95B064120 95B064120 95B064120 95B064120 95B064120 95B064120 95B064120 95B064150 95B064120 95B064					
10-30 Vdc (-15/10%) 10-30					
10-30 Vdc (-15/10%) 10-30					
10-30 Vdc (-15/10%) 10-30					
10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%)					
10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%) 10-30 Vdc (-15/10%) < 10%					
< 10%					
< 10%	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
200 mA 200 mA 200 mA 200 mA > 1,6 mA (2wires ver.) < 10 mA	< 10%	< 10%	< 10%	< 10%	
> 1,6 mA (2wires ver.) < 10 mA	< 10%	< 10%	< 10%	< 10%	
< 10 mA	200 mA	200 mA	200 mA	200 mA	
< 1,2 V (I=100mA)	> 1,6 mA (2wires ver.)				
Yellow Yellow Yellow Yellow 500 Hz 500 Hz 500 Hz 500 Hz < 75 ms	< 10 mA	< 10 mA	< 10 mA	< 10 mA	
500 Hz 40 Hz 500 Hz </td <td>< 1,2 V (I=100mA)</td> <td>< 1,2 V (I=100mA)</td> <td>< 1,2 V (I=100mA)</td> <td>< 1,2 V (I=100mA)</td>	< 1,2 V (I=100mA)				
< 75 ms	Yellow	Yellow	Yellow	Yellow	
< 3%	500 Hz	500 Hz	500 Hz	500 Hz	
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 0,25 mm² 3 x 0,25 mm² Nickel-plated brass Nickel-plated brass Nickel-plated brass	< 75 ms	< 75 ms	< 75 ms	< 75 ms	
Against polarity reversal inductive loads inductive loads inductive loads (-25 +70 °C)	< 3%	< 3%	< 3%	< 3%	
Against polarity reversal inductive loads inductive loads inductive loads (-25 +70 °C)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
(-25 +70 °C) (-25 +70 °C) (-25 +70 °C) (-25 +70 °C) IP67 IP67 IP67 IP67 2 m 2 m 3 x 0,25 mm² 3 x 0,25 mm² Nickel-plated brass Nickel-plated brass Nickel-plated brass	Against polarity reversal	Against polarity reversal	Against polarity reversal	Against polarity reversal	
IP67 IP67 IP67 IP67 2 m 2 m 3 x 0,25 mm² 3 x 0,25 mm² Nickel-plated brass Nickel-plated brass Nickel-plated brass					
2 m 2 m 3 x 0,25 mm² 3 x 0,25 mm² Nickel-plated brass Nickel-plated brass Nickel-plated brass Nickel-plated brass					
3 x 0,25 mm² 3 x 0,25 mm² 3 x 0,25 mm² Nickel-plated brass Nickel-plated brass Nickel-plated brass			IF U/		
Nickel-plated brass Nickel-plated brass Nickel-plated brass Nickel-plated brass					
			Nickal-plated brace		
	•	·	·	·	
60 g 60 g		•			



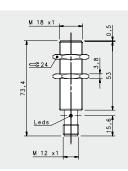


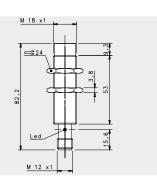
				STANDARD				
				FLL	JSH	NON FLUSH		
				M12 conn	cable	M12 conn	cable	
IOMINAL SWITCH	HING DISTANC	CE		5 mm	5 mm	8 mm	8 mm	
10-30 Vdc	PNP/NPN	4 wires		IS-18-A0-S2	IS-18-A0-03	IS-18-C0-S2	IS-18-C0-03	
10-30 Vac	NO-NC	4 WITES	order No.	95B064260	95B064230	95B064280	95B064240	
10-30 Vdc	PNP	3 wires		IS-18-A1-S2	IS-18-A1-03	IS-18-C1-S2	IS-18-C1-03	
10-50 Vuc	NO	5 WILES	order No.	95B061351	95B061341	95B061751	95B061741	
10-30 Vdc	PNP	3 wires		IS-18-A2-S2	IS-18-A2-03	IS-18-C2-S2	IS-18-C2-03	
10-30 Vuc	NC	2 Miles	order No.	95B061371	95B061361	95B061771	95B061761	
10-30 Vdc	NPN	3 wires		IS-18-A3-S2	IS-18-A3-03	IS-18-C3-S2	IS-18-C3-03	
10-30 vac	NO	2 MILE2	order No.	95B061311	95B061301	95B061711	95B061701	
10-30 Vdc	NPN	3 wires		IS-18-A4-S2	IS-18-A4-03	IS-18-C4-S2	IS-18-C4-03	
10-30 vac	NC	2 MILES	order No.	95B061331	95B061321	95B061731	95B061721	
10-30 Vdc	PNP	3 wires						
10 30 140	NO-NC	5 Wiles	order No.					
10-30 Vdc	NPN	3 wires						
10 30 140	NO-NC	5 Wiles	order No.					
10-30 Vdc	NO-NC	2 wires		IS-18-A9-S2	S-18-A9-03	IS-18-C9-S2	IS-18-C9-03	
		2	order No.	95B063941	95B064300	95B064340	95B064310	
20-250 Vac/Vdc	NO	2 wires						
			order No.					
20-250 Vac/Vdc	NC	2 wires						
			order No.					
20-250 Vac/Vdc	NO	2/3 wires						
			order No.					
Analog 0-20mA	-	3 wires						
			order No.					
5+24 Vdc	NAMUR	NAMUR 2 wires	N -					
			order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
Hysteresis				< 10%	< 10%	< 10%	< 10%	
, Max. Output Curre	nt			200 mA	200 mA	200 mA	200 mA	
Min. Output Curre				> 1,6 mA (2wires ver.)				
Residual Current				< 10 mA	< 10 mA	< 10 mA	< 10 mA	
Voltage Drop				< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver.)	< 1,8V; < 6,5 V (2wires ver	
Operation Led				Yellow	Yellow	Yellow	Yellow	
Switching Freque	ncy			1000 Hz	1000 Hz	1000 Hz	1000 Hz	
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms	
Repeability				< 3%	< 3%	< 3%	< 3%	
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
Electric Protection	า			Against polarity reversal inductive loads				
Temperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	
Protection Degree				IP67	IP67	IP67	IP67	
Cable Length					2 m		2 m	
Cable Section					2/3/4 x 0,25 mm²		2/3/4 x 0,25 mm²	
Housing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Weight - Cable Out	tput				145g		145g	
Weight - M12 Con	nector Output			95g		95g		



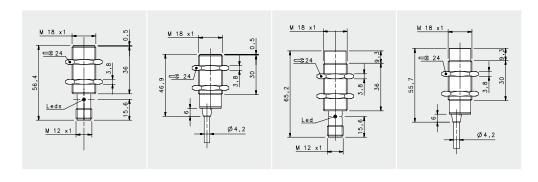
	SHO	ORT	
FLI	JSH	NON F	LUSH
M12 conn	cable	M12 conn	cable
5 mm	5 mm	8 mm	8 mm
IS-18-B1-S2	IS-18-B1-03	IS-18-D1-S2	IS-18-D1-03
95B062151	95B062141	95B062551	95B062541
IS-18-B2-S2	IS-18-B2-03	IS-18-D2-S2	IS-18-D2-03
95B062171	95B062161	95B062571	95B062561
IS-18-B3-S2	IS-18-B3-03	IS-18-D3-S2	IS-18-D3-03
95B062111	95B062101	95B062511	95B062501
IS-18-B4-S2	IS-18-B4-03	IS-18-D4-S2	IS-18-D4-03
95B062131	95B062121	95B062531	95B062521
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 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			
(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,25 mm²		3 x 0,25 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
	145g		145g
95g		95g	





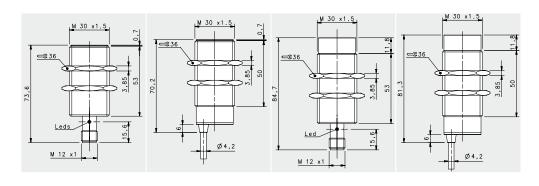


				STANDARD X2		
				FLUSH	NON FLUSH	
				M12 conn	M12 conn	
OMINAL SWITCH	HING DISTANC	Œ		8 mm	14 mm	
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.			
10. 20.1/4-	PNP	2	Order 140.	IS-18-E1-S2	IS-18-F1-S2	
0-30 Vdc	NO	3 wires	order No.	95B067050	95B067040	
0-30 Vdc	PNP NC	3 wires	order No.			
0-30 Vdc	NPN NO	3 wires	order No.			
0-30 Vdc	NPN NC	3 wires				
	PNP		order No.			
0-30 Vdc	NO-NC	3 wires	order No.			
10-30 Vdc	NPN NO-NC	3 wires	order No.			
0-30 Vdc	NO-NC	2 wires				
U-30 Vac	INO-INC	2 wires	order No.			
0-250 Vac/Vdc	NO	2 wires	order No			
			order No.			
0-250 Vac/Vdc	NC	2 wires	order No.			
0-250 Vac/Vdc	NO	2/3wires				
250 (40, (40)	140	Z/ S WIICS	order No.			
nalog 0-20mA	-	3 wires	audau Na			
			order No.			
+24 Vdc	NAMUR	2 wires	order No.		 	
I i I V - I				40 20 14-1 45 (40%)	40.70.14-1.45.140%	
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	
ysteresis				< 10%	< 10%	
Max. Output Curre				200 mA 	200 mA 	
Min. Output Curre	ent					
Residual Current				< 10 mA	< 10 mA < 1,2 V (I=100mA)	
oltage Drop				< 1,2 V (I=100mA)		
peration Led				Yellow	Yellow	
witching Freque	ncy			400 Hz	400 Hz	
tart Up Delay				< 50 ms	< 50 ms	
epeability	11			< 3%	< 3%	
hort Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)	
lectric Protection	า			Against polarity reversal inductive loads	Against polarity reversal inductive loads	
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	
able Length						
Table Section						
Housing Material				Nickel-plated brass	Nickel-plated brass	
Weight - Cable Ou	tput				145g	
Weight - M12 Con				95g		

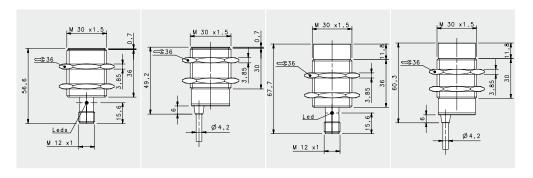


	SHOI	RT X2	
FLL	JSH	NON F	FLUSH
M12 conn	cable	M12 conn	cable
8 mm	8 mm	14 mm	14 mm
IS-18-G0-S2	IS-18-G0-03	IS-18-H0-S2	IS-18-H0-03
95B064270	95B063851	95B064290	95B064250
IS-18-G1-S2	IS-18-G1-03	IS-18-H1-S2	IS-18-H1-03
95B063531	95B063521	95B063611	95B063601
IS-18-G2-S2	IS-18-G2-03	IS-18-H2-S2	IS-18-H2-03
95B063551	95B063541	95B063631	95B063621
IS-18-G3-S2	IS-18-G3-03	IS-18-H3-S2	IS-18-H3-03
95B063491	95B063061	95B063571	95B063561
IS-18-G4-S2	IS-18-G4-03	IS-18-H4-S2	IS-18-H4-03
95B063511	95B063501	95B063591	95B063581
IS-18-G5-S2	IS-18-G5-03	IS-18-H5-S2	IS-18-H5-03
95B062731	95B062721	95B062811	95B064220
IS-18-G6-S2	IS-18-G6-03	IS-18-H6-S2	IS-18-H6-03
95B062711	95B064200	95B062791	95B064210
IS-18-G9-S2	IS-18-G9-03	IS-18-H9-S2	IS-18-H9-03
95B064330	95B063811	95B064350	95B064320
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%	< 10%	< 10%
< 10%	< 10%	< 10%	< 10%
200 mA	200 mA	200 mA	200 mA
> 1,6 mA (2wires ver.)			
< 10 mA	< 10 mA	< 10 mA	< 10 mA
< 1,2 V (I=100mA)			
Yellow	Yellow	Yellow	Yellow
400 Hz	400 Hz	400 Hz	400 Hz
< 75 ms	< 75 ms	< 75 ms	< 75 ms
< 3%	< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads			
(-25 +60 °C)	(-25 +70 °C)	(-25 +60 °C)	(-25 +70 °C)
IP67	IP67	IP67	IP67
	2 m		2 m
	3 x 0,25 mm²		3 x 0,25 mm²
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass
	145g		145g
95g		95g	



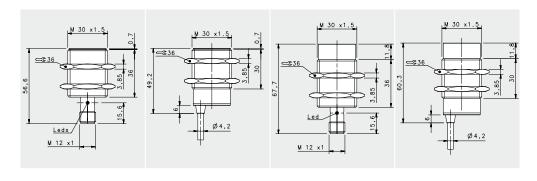


				STANDARD				
				FLU	JSH	NON FLUSH		
				M12 conn	cable	M12 conn	cable	
OMINAL SWITCH	HING DISTAN	CE		10 mm	10 mm	15 mm	15 mm	
	PNP/NPN			IS-30-A0-S2	IS-30-A0-03	IS-30-C0-S2	IS-30-C0-03	
10-30 Vdc	NO-NC	4 wires	order No.	95B064490	95B064460	95B064510	95B064470	
	PNP			IS-30-A1-S2	IS-30-A1-03	IS-30-C1-S2	IS-30-C1-03	
0-30 Vdc	NO	3 wires	order No.	95B061431	95B061421	95B061831	95B061821	
	PNP			IS-30-A2-S2	IS-30-A2-03	IS-30-C2-S2	IS-30-C2-03	
0-30 Vdc	NC	3 wires	order No.	95B061451	95B061441	95B061851	95B061841	
	NPN			IS-30-A3-S2	IS-30-A3-03	IS-30-C3-S2	IS-30-C3-03	
0-30 Vdc	NO	3 wires	order No.	95B061391	95B061381	95B061791	95B061781	
	NPN			IS-30-A4-S2	IS-30-A4-03	IS-30-C4-S2	IS-30-C4-03	
0-30 Vdc	NC	3 wires	order No.	95B061411	95B061401	95B061811	95B061801	
	PNP							
0-30 Vdc	NO-NC	3 wires	order No.					
	NPN							
0-30 Vdc	NO-NC	3 wires	order No.					
			oraci itoi	IS-30-A9-S2	IS-30-A9-03	IS-30-C9-S2	IS-30-C9-03	
0-30 Vdc	NO-NC	2 wires	order No.	95B064570	95B064530	95B064590	95B064550	
			order No.					
0-250 Vac/Vdc	NO	2 wires	order No.					
			Graci ivo.					
0-250 Vac/Vdc	NC	2 wires	order No.					
			Order No.					
0-250 Vac/Vdc	NO	2/3 wires	order No.					
			order No.					
inalog 0-20mA	-	3 wires	order No.					
			Order No.					
+24 Vdc	NAMUR	2 wires	order No.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
lysteresis				< 10%	< 10%	< 10%	< 10%	
/lax. Output Curre				200mA; 100 mA (2wires)				
Ain. Output Curre	ent			> 1,6 mA (2wires)				
lesidual Current				< 1,6 mA	< 1,6 mA	< 1,6 mA	< 1,6 mA	
oltage Drop				< 1,8V; < 6,5 V (2wires)				
peration Led				Yellow	Yellow	Yellow	Yellow	
witching Freque	ncy			300 Hz	300 Hz	300 Hz	300 Hz	
Start Up Delay				< 50 ms	< 50 ms	< 50 ms	< 50 ms	
Repeability				< 3%	< 3%	< 3%	< 3%	
hort Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
lectric Protection	า			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa inductive loads	
emperature Limit				(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)	
rotection Degree				IP67	IP67	IP67	IP67	
able Length					2 m		2 m	
able Section					2/3/4 x 0,25 mm²		2/3/4 x 0,25 mm²	
lousing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Veight - Cable Ou	tput				210 g		210 g	
•	nector Output			170 g		170 g		

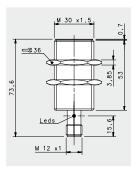


	SHO	ORT			
FLUS		NON FLUSH			
M12 conn	cable	M12 conn	cable		
10 mm	10 mm	15 mm	15 mm		
IS-30-B1-S2	IS-30-B1-03	IS-30-D1-S2	IS-30-D1-03		
95B062231	95B062221	95B062631	95B062621		
IS-30-B2-S2	IS-30-B2-03	IS-30-D2-S2	IS-30-D2-03		
95B062251	95B062241	95B062651	95B062641		
IS-30-B3-S2	IS-30-B3-03	IS-30-D3-S2	IS-30-D3-03		
95B062191	95B062181	95B062591	95B062581		
IS-30-B4-S2	IS-30-B4-03	IS-30-D4-S2	IS-30-D4-03		
95B062211	95B062201	95B062611	95B062601		
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)		
< 10%	< 10%	< 10%	< 10%		
< 10%	< 10%	< 10%	< 10%		
200 mA	200 mA	200 mA	200 mA		
< 10 mA	< 10 mA	< 10 mA	< 10 mA		
< 1,8 V (I=100mA)					
Yellow	Yellow	Yellow	Yellow		
300 Hz	300 Hz	300 Hz	300 Hz		
< 50 ms	< 50 ms	< 50 ms	< 50 ms		
< 3%	< 3%	< 3%	< 3%		
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)		
Against polarity reversal inductive loads					
(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)		
IP67	IP67	IP67	IP67		
	2 m		2 m		
	3 x 0,25 mm²		3 x 0,25 mm²		
Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass		
	210 g		210 g		
170 g		170 g			





				SHORT X2				
				FLL	JSH	NON FLUSH		
			·	M12 conn	cable	M12 conn	cable	
OMINAL SWITCH	HING DISTAN	CE		15mm	15mm	20 mm	20 mm	
0.201//	PNP/NPN	Ī, .		IS-30-G0-S2	IS-30-G0-03	IS-30-H0-S2	IS-30-H0-03	
0-30 Vdc	NO-NC	4 wires	order No.	95B064500	95B063861	95B064520	95B064480	
	PNP			IS-30-G1-S2	IS-30-G1-03	IS-30-H1-S2	IS-30-H1-03	
0-30 Vdc	NO	3 wires	order No.	95B063691	95B063681	95B063771	95B063761	
	PNP			IS-30-G2-S2	IS-30-G2-03	IS-30-H2-S2	IS-30-H2-03	
0-30 Vdc	NC	3 wires	order No.	95B063711	95B063701	95B063791	95B063781	
0.2014-	NPN	2		IS-30-G3-S2	IS-30-G3-03	IS-30-H3-S2	IS-30-H3-03	
0-30 Vdc	NO	3 wires	order No.	95B063651	95B063641	95B063731	95B063721	
0.201/1	NPN	<u>.</u> .		IS-30-G4-S2	IS-30-G4-03	IS-30-H4-S2	IS-30-H4-03	
0-30 Vdc	NC	3 wires	order No.	95B063671	95B063661	95B063751	95B063741	
	PNP			IS-30-G5-S2	IS-30-G5-03	IS-30-H5-S2	IS-30-H5-03	
0-30 Vdc	NO-NC	3 wires	order No.	95B063831	95B063821	95B064450	95B064420	
	NPN			IS-30-G6-S2	IS-30-G6-03	IS-30-H6-S2	IS-30-H6-03	
0-30 Vdc	NO-NC	3 wires	order No.	95B064430	95B064400	95B064440	95B064410	
		Ī		IS-30-G9-S2	IS-30-G9-03	IS-30-H9-S2	IS-30-H9-03	
0-30 Vdc	NO-NC	2 wires	order No.	95B064580	95B064540	95B064600	95B064560	
0-250 Vac/Vdc	NO	2 wires	order No.					
		2 wires						
0-250 Vac/Vdc	NC		order No.					
	_							
0-250 Vac/Vdc	NO	2/3 wires	order No.					
nalog 0-20mA	-	3 wires	order No.					
+24 Vdc	NAMUR	2 wires order No.						
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
ysteresis				< 10%	< 10%	< 10%	< 10%	
lysteresis lax. Output Curre	nt			200 mA	200 mA	200 mA	200 mA	
in. Output Curre				200 IIIA	200 IIIA	200 IIIA	200 IIIA	
esidual Current	-110			< 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 Freque	ncu			200 Hz	200 Hz	200 Hz	200 Hz	
	licy			< 75 ms	< 75 ms	< 75 ms	< 75 ms	
tart Up Delay epeability				< 3%	< 3%	< 3%	< 3%	
hort Circuit Prot	oction			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting	
lectric Protection				Against polarity reversal	Against polarity reversal	Against polarity reversal	Against polarity reversa	
				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					2 m		2 m	
able Section					3 x 0,25 mm ²		3 x 0,25 mm²	
lousing Material				Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	
Veight - Cable Ou	•				210 g		210 g	
Veight - M12 Con	nector Output			170 g		170 g		



STANDARD X2

EI.	П	C	ш

M12 conn

15 mm IS-30-E1-S2 95B067060 ------------------

10-30 Vdc (-15/10%)

< 10%

< 10% 200 mA

< 10 mA < 6,5 V (I=100mA)

Yellow

200 Hz

< 75 ms < 3%

Present (self-resetting)

Against polarity reversal inductive loads

(-25 ... +70 °C) IP67

Nickel-plated brass

170 g

STAINLESS STEEL

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

"M12/18/30 모델은 Diversey & ECOLAB 테스트(세제에 대한 부식)를 거친 제품입니다"









FLUSH 모델은 ATEX 인증 제품입니다



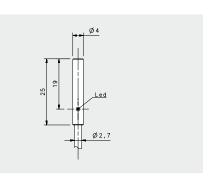


STAINLESS STEEL

ODATALOGIC 33

STAINLESS STEEL M4





STANDARD FLUSH

cable

NOMINAL SWIT	NAL SWITCHING DISTANCE 0,8 mm			0,8 mm
10-30 Vdc	PNP/NPN	4 wires		
10-30 Vac	NO-NC	4 WIIES	order No.	
10-30 Vdc	PNP	3 wires		IS-04-A1-03
10-30 Vac	NO	3 wires	order No.	95B061011
10 20 Vdc	PNP	2 wires		

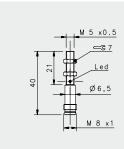
10-30 Vdc	FINE	3 wires		
10 30 vac	NC	5 WIICS	order No.	
10-30 Vdc	NPN	3 wires		IS-04-A3-03
10-30 vac	NO	2 MILE2	order No.	95B061001
10-30 Vdc	NPN	3 wires		
10-30 vac	NC	2 MILE2	order No.	
10-30 Vdc	PNP	3 wires		
10-30 vac	NO-NC		order No.	
10-30 Vdc	NPN	3 wires		
10-30 Vuc	NO-NC	2 MILE2	order No.	
10-30 Vdc	NO-NC	2 wires		
10-30 Vuc	INO-INC	2 WIIES	order No.	
20-250 Vac/Vdc	NO	2 wires		
20-250 VdC/ VUC	NO	z wires	order No.	

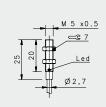
20-250 Vac/Vdc	NC	2 wires		
20-230 vac/ vac	IVC	2 WIIES	order No.	
20-250 Vac/Vdc	NO	2/3wires		
20-250 Vac/ Vuc	NO	2/3 WILES	order No.	
Analog 0, 20m A	_	3 wires		
Analog 0-20mA	_	5 WIIES	order No.	
5+24 Vdc	NAMUR	2 wires		
5+24 VuC	IVAIVIUR	2 WIIES	order No.	

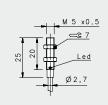
Nominal Voltage	10-30 Vdc (-15/10%)
Residual Ripple	< 10%
Hysteresis	< 15%
Max. Output Current	100 mA
Min. Output Current	
Residual Current	< 0,01 mA
Voltage Drop	< 1,5 V
Operation Led	Yellow
Switching Frequency	2000 Hz
Start Up Delay	
Repeability	< 1%
Short Circuit Protection	Present (self-resetting)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

STAINLESS STEEL M5





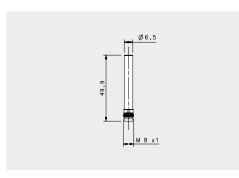


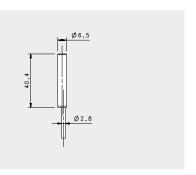


				STAN	DARD	STANDARD X2
				FLU	ISH	FLUSH
				M8 conn	cable	cable
OMINAL SWITCH	HING DISTAN	CE		0,8 mm	0,8 mm	1,5 mm
10-30 Vdc	PNP/NPN	4 wires				
	NO-NC		order No.			
10-30 Vdc	PNP	3 wires	and an Na	IS-05-A1-S1	IS-05-A1-03	
	NO		order No.	95B061051 	95B061041 	
10-30 Vdc	PNP NC	3 wires	order No.			
	NPN		order No.	IS-05-A3-S1	IS-05-A3-03	IS-05-E3-03
10-30 Vdc	NO	3 wires	order No.	95B061031	95B061021	95B065400
	NPN		order No.	332001031	IS-05-A4-03	
0-30 Vdc	NC	3 wires	order No.		95B065420	
	PNP	<u> </u>				
0-30 Vdc	NO-NC	3 wires	order No.			
0. 20 Vdc	NPN	2				
10-30 Vdc	NO-NC	3 wires	order No.			
0-30 Vdc	NO-NC	2 wires				
0-30 vac	INU-INC	2 WITES	order No.			
20-250 Vac/Vdc	NO	2 wires				
.0-230 vac/ vuc	110	2 WIIES	order No.			
:0-250 Vac/Vdc	NC	2 wires				
250 140, 140			order No.			
:0-250 Vac/Vdc	NO	2/3 wires				
			order No.			
Inalog 0-20mA	-	3 wires				
			order No.			
5+24 Vdc	NAMUR	2 wires	order No.			
			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				< 15%	< 15%	< 15%
Лах. Output Curre	ent			100 mA	100 mA	100 mA
/lin. Output Curre						
Residual Current				< 0,01 mA	< 0,01 mA	< 0,01 mA
oltage Drop				< 1,5V	< 1,5V	< 1,5V
peration Led				Yellow	Yellow	Yellow
Switching Freque	ncy			2000 Hz	2000 Hz	2000 Hz
Start Up Delay						
Repeability				< 1%	< 1%	
hort Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Electric Protection	n			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
emperature Limit	t			(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)
rotection Degree				IP67	IP67	IP67
able Length					2 m (PUR)	2 m (PUR)
able Section					3x 0,15 mm²	3x 0,15 mm²
lousing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel
Veight - Cable Ou	•				25g	25g
Weight - M12 Con	nector Output			14g		

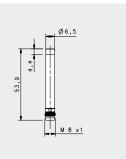
STAINLESS STEEL M6.5

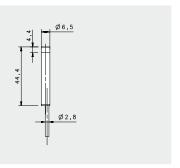






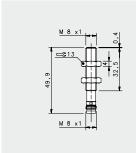
				SHORT STAINLESS STEEL			
				FLUSH			
				M8 conn	cable		
NOMINAL SWITCHING DISTANCE				1,5 mm	1,5 mm		
10-30 Vdc	PNP/NPN	4 wires					
10-30 vac	NO-NC	4 WIIES	order No.				
10-30 Vdc	PNP	3 wires		IS-65-M1-S1	IS-65-M1-03		
10-30 vac	NO	2 WIIE3	order No.	95B066080	95B064760		
10-30 Vdc	PNP	3 wires		IS-65-M2-S1	IS-65-M2-03		
10-30 vac	NC	2 WIIE3	order No.	95B066120	95B064800		
10-30 Vdc	NPN	3 wires		IS-65-M3-S1	IS-65-M3-03		
10-30 vac	NO	2 WIIE3	order No.	95B066000	95B064680		
10-30 Vdc	NPN	3 wires		IS-65-M4-S1	IS-65-M4-03		
10-30 vac	NC	2 MILES	order No.	95B066040	95B064720		
10-30 Vdc	PNP	3 wires					
10-30 Vuc	NO-NC	3 WIIES	order No.				
10-30 Vdc	NPN	3 wires					
10-30 Vuc	NO-NC	3 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					
20-250 Vac/ Vuc	INU	2 wires	order No.				
20. 200 \/ /\/	NC	2 wires					
20-250 Vac/Vdc	INC		order No.				
20-250 Vac/Vdc	NO	2/3wires					
20-250 Vac/ Vuc	NO		order No.				
A I 0 20 A		2					
Analog 0-20mA	-	3 wires	order No.				
F. 27 1/4-	NAMUD	<u> </u>					
5+24 Vdc	NAMUR	2 wires	order No.				
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)		
Residual Ripple				< 10%	< 10%		
Hysteresis				< 10%	< 10%		
Max. Output Curre	nt			200 mA	200 mA		
viax. Output Curre Vin. Output Curre				200 IIIA	200 THA		
Residual Current	:111			< 10 mA	< 10 mA		
/oltage Drop				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)		
Operation Led				Yellow	Yellow		
Switching Freque	ncv.			1000 Hz	1000 Hz		
Start Up Delay	iicy			< 50 ms	< 50 ms		
Repeability				< 3%			
	action			Present (self-resetting)	< 3%		
Short Circuit Protection				Against polarity reversal	Present (self-resetting) Against polarity reversal		
Electric Protection				inductive loads	inductive loads		
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)		
Protection Degree				IP67	IP67		
Cable Length							
Cable Section					3x 0,14 mm²		
Housing Material				Stainless-Steel	Stainless-Steel		
Weight - Cable Output					80 g		
Weight - M12 Connector Output				40 g			

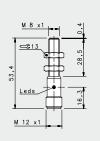


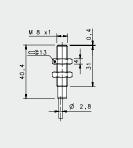


SHORT STAI	NLESS STEEL
NON	FLUSH
M8 conn	cable
2 mm	2 mm
IS-65-N1-S1	IS-65-N1-03
95B066240	95B064920
IS-65-N2-S1	IS-65-N2-03
95B066280	95B064960
IS-65-N3-S1	IS-65-N3-03
95B066160	95B064840
IS-65-N4-S1	IS-65-N4-03
95B066200	95B064880
	
	
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%
< 10%	< 10%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

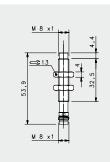


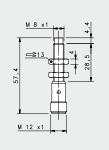


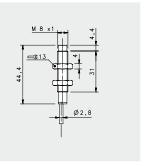




				SHORT STAINLESS STEEL				
					FLUSH			
				M8 conn	M12 conn	cable		
OMINAL SWITCH	HING DISTANC	E		1,5 mm	1,5 mm	1,5 mm		
0-30 Vdc	PNP/NPN	4 wires						
	NO-NC		order No.					
0-30 Vdc	PNP	3 wires		IS-08-M1-S1	IS-08-M1-S2	IS-08-M1-03		
	NO	3 11	order No.	95B066870	95B066600	95B066380		
0-30 Vdc	PNP	3 wires		IS-08-M2-S1	IS-08-M2-S2	IS-08-M2-03		
	NC	3 11	order No.	95B066900	95B066630	95B066600		
0-30 Vdc	NPN	3 wires		IS-08-M3-S1	IS-08-M3-S2	IS-08-M3-03		
	NO	3 111103	order No.	95B066820	95B066540	95B066340		
0-30 Vdc	NPN	3 wires		IS-08-M4-S1	IS-08-M4-S2	IS-08-M4-03		
0-30 vac	NC	2 MIIG2	order No.	95B066840	95B066570	95B066360		
0-30 Vdc	PNP	3 wires						
J JO Vac	NO-NC	2 MILES	order No.					
0-30 Vdc	NPN	3 wires						
0-30 vac	NO-NC	2 Miles	order No.					
0.201/45	NO NC	2 wires						
0-30 Vdc	NO-NC	2 wires	order No.					
0 250 // ///-	NO	2						
0-250 Vac/Vdc	NO	2 wires	order No.					
0. 250 1/ /1/4-	NC	2						
0-250 Vac/Vdc	NC	2 wires	order No.					
0.2501/ ///	No.	2/2						
0-250 Vac/Vdc	NO	2/3 wires	order No.					
		2 .						
Analog 0-20mA	-	3 wires	order No.					
5+24 Vdc	NAMUR	2 wires	order No.					
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)		
Residual Ripple				< 10%	< 10%	< 10%		
				< 10%	< 10%	< 10%		
lysteresis ⁄Iax. Output Curre	nt			200 mA	200 mA	200 mA		
лах. Output Curre Лin. Output Curre				200 IIIA	200 IIIA	200 IIIA		
Residual Current	2110			< 10 mA	< 10 mA	< 10 mA		
				< 1,2 V (I=100mA)	< 1,2 V (I=100mA)	< 1,2 V (I=100mA)		
/oltage Drop				Yellow	Yellow	Yellow		
peration Led								
witching Freque	псу			1000 Hz	1000 Hz	1000 Hz		
Start Up Delay				< 50 ms < 3%	< 50 ms < 3%	< 50 ms < 3%		
Repeability	ti							
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)		
Electric Protection		Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads				
Temperature Limit			(-25 +70 °C)	(-25 +70 °C)	(-25 +70 °C)			
rotection Degree				IP67	IP67	IP67		
able Length								
able Section						3x 0,14 mm²		
Housing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel		
Weight - Cable Ou	tput					80 g		
Weight - M12 Con	nector Output			35g	55g			

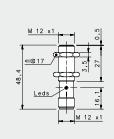


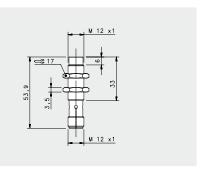




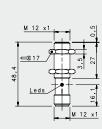
	SHORT STAINLESS STEEL	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-N1-S1	IS-08-N1-S2	IS-08-N1-03
95B066980	95B066710	95B066490
IS-08-N2-S1	IS-08-N2-S2	IS-08-N2-03
95B067010	95B066730	95B066510
IS-08-N3-S1	IS-08-N3-S2	IS-08-N3-03
95B066930	95B066660	95B066440
IS-08-N4-S1	IS-08-N4-S2	IS-08-N4-03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

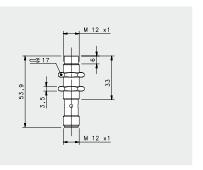






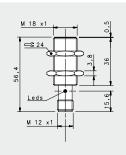
				SHORT STAI	NLESS STEEL			
				FLUSH	NON FLUSH			
				M12 conn	M12 conn			
OMINAL SWITCH	IING DISTANO	CE		2 mm	4 mm			
10. 20.1/1	PNP/NPN	, .						
0-30 Vdc	NO-NC	4 wires	order No.					
0.207/4-	PNP	2		IS-12-M1-S2	IS-12-N1-S2			
0-30 Vdc	NO	3 wires	order No.	95B060240	95B060280			
0-30 Vdc	PNP	3 wires		IS-12-M2-S2	IS-12-N2-S2			
0-30 vac	NC	2 MILE2	order No.	95B060250	95B060290			
0-30 Vdc	NPN	3 wires		IS-12-M3-S2	IS-12-N3-S2			
0-30 vac	NO	2 MILE2	order No.	95B060260	95B060300			
0-30 Vdc	NPN	3 wires		IS-12-M4-S2	IS-12-N4-S2			
	NC	5 WIICS	order No.	95B060270	95B060310			
0-30 Vdc	PNP	3 wires						
	NO-NC		order No.					
0-30 Vdc	NPN	3 wires						
	NO-NC		order No.					
0-30 Vdc	NO-NC	2 wires						
			order No.					
:0-250 Vac/Vdc	NO	2 wires						
			order No.					
0-250 Vac/Vdc	NC	2 wires	2 wires	2 wires	2 wires			
			order No.					
0-250 Vac/Vdc	NO	2/3wires						
			order No.					
nalog 0-20mA	-	3 wires						
			order No.					
+24 Vdc	NAMUR	2 wires	order No.	 				
Iominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)			
Residual Ripple				< 10%	< 10%			
ysteresis				< 10%	< 10%			
Nax. Output Curre				200 mA	200 mA			
1in. Output Curre	nt							
Residual Current				< 10 mA	< 10 mA			
oltage Drop				< 1,8 V (I=100mA)	< 1,8 V (I=100mA)			
peration Led				Yellow	Yellow			
witching Freque	ncy			1000 Hz	1000 Hz			
Start Up Delay				< 50 ms	< 50 ms			
Repeability				< 3%	< 3%			
hort Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)			
Electric Protection			Against polarity reversal inductive loads	Against polarity reversal inductive loads				
Temperature Limit			(-25 +60 °C)	(-25 +60 °C)				
Protection Degree				IP67	IP67			
able Length								
able Section								
lousing Material				Stainless-Steel	Stainless-Steel			
Veight - Cable Out	put							
Weight - M12 Coni	•			60 g	60 g			

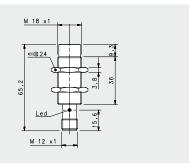




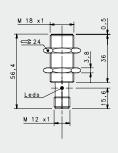
SHORT STAIN	LESS STEEL X2
FLUSH	NON FLUSH
M12 conn	M12 conn
4 mm	8 mm
	
IS-12-01-S2	IS-12-P1-S2
95B060000	95B060040
IS-12-02-S2	IS-12-P2-S2
95B060010	95B060050
IS-12-03-S2	IS-12-P3-S2
958060020	95B060060
IS-12-04-S2	IS-12-P4-S2
95B060030	95B060070
	
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%
< 10%	< 10%
200 mA	200 mA
< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow
500 Hz	500 Hz
< 75 ms	< 75 ms
< 3%	< 3%
Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +60 °C)	(-25 +60 °C)
(-25 +00 °C)	IP67
IPO/ 	
 Chainless Chool	 Stainless Steel
Stainless-Steel	Stainless-Steel
60 g	60 g

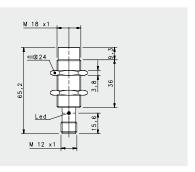






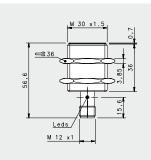
				SHORT STAINLESS STEEL		
				FLUSH	NON FLUSH	
				M12 conn	M12 conn	
NOMINAL SWITCH	HING DISTAN	CE		5 mm	8 mm	
	PNP/NPN					
10-30 Vdc	NO-NC	4 wires	order No.			
40.701/1	PNP	. .		IS-18-M1-S2	IS-18-N1-S2	
10-30 Vdc	NO	3 wires	order No.	95B060320	95B060360	
40.2014-	PNP	3		IS-18-M2-S2	IS-18-N2-S2	
10-30 Vdc	NC	3 wires	order No.	95B060330	95B060370	
10-30 Vdc	NPN	2		IS-18-M3-S2	IS-18-N3-S2	
10-30 Vac	NO	3 wires	order No.	95B060340	95B060380	
40.2014-	NPN	3		IS-18-M4-S2	IS-18-N4-S2	
10-30 Vdc	NC	3 wires	order No.	95B060350	95B060390	
40.2014-	PNP	3				
10-30 Vdc	NO-NC	3 wires	order No.			
40.2014-	NPN	3				
10-30 Vdc	NO-NC	3 wires	order No.			
40.2014-	NO NC	2				
10-30 Vdc	NO-NC	2 wires	order No.			
20 2501/ ///	NO	<u>.</u> .				
20-250 Vac/Vdc	NO	2 wires	order No.			
20 2501/ ///	NG	<u>.</u> .				
20-250 Vac/Vdc	NC	2 wires	order No.			
20-250 Vac/Vdc	NO	2/3 wires	order No.			
		Ī				
Analog 0-20mA	-	3 wires	order No.			
5+24 Vdc	NAMUR	2 wires	order No.			
NI				40 70 14-7 45 (40%)	40 20 14- / 45 (400)	
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)	
Residual Ripple				< 10%	< 10%	
Hysteresis				< 10%	< 10%	
Max. Output Curre				200 mA	200 mA	
Min. Output Curre	ent					
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	
Repeability				< 3%	< 3%	
Short Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)	
Electric Protection			Against polarity reversal inductive loads	Against polarity reversal inductive loads		
Temperature Limit			(-25 +60 °C)	(-25 +60 °C)		
Protection Degree				IP67	IP67	
Cable Length						
Cable Section						
Housing Material				Stainless-Steel	Stainless-Steel	
Weight - Cable Ou	tput					
Weight - M12 Con				95g	95g	

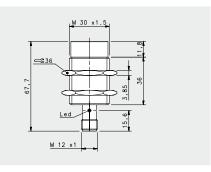




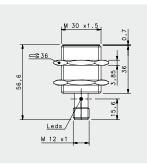
SHORT STAIN	LESS STEEL X2
FLUSH	NON FLUSH
M12 conn	M12 conn
8 mm	14 mm
IS-18-01-52	IS-18-P1-S2
95B060080	95B060120
IS-18-02-S2	IS-18-P2-S2
958060090	95B060130
IS-18-03-52	IS-18-P3-S2
958060100	95B060140
IS-18-04-S2	IS-18-P4-S2
95B060110	95B060150
	
	
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%
< 10%	
	< 10%
200 mA	200 mA
< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow
400 Hz	400 Hz
< 75 ms	< 75 ms
< 3%	< 3%
Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)
IP67	IP67
Stainless-Steel	Stainless-Steel
95g	95g
	0

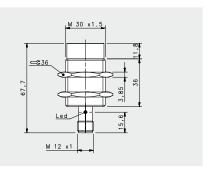






				SHORT STAINLESS STEEL				
				FLUSH	NON FLUSH			
				M12 conn	M12			
IOMINAL SWITCH	IING DISTANC	Έ		10 mm	15 mm			
10-30 Vdc	PNP/NPN	4 wires						
10-30 vac	NO-NC	4 WIIES	order No.					
10-30 Vdc	PNP NO	3 wires	and an Ma	IS-30-M1-S2	IS-30-N1-S2			
	PNP		order No.	95B060400 IS-30-M2-S2	95B060440 IS-30-N2-S2			
10-30 Vdc	NC	3 wires	order No.	95B060410	95B060450			
	NPN		order rior	IS-30-M3-S2	IS-30-N3-S2			
10-30 Vdc	NO	3 wires	order No.	95B060420	95B060460			
10-30 Vdc	NPN	3 wires		IS-30-M4-S2	IS-30-N4-S2			
10-30 Vac	NC	5 WILES	order No.	95B060430	95B060470			
10-30 Vdc	PNP	3 wires						
	NO-NC		order No.					
10-30 Vdc	NPN NO-NC	3 wires	andan Na					
	INO-INC		order No.					
10-30 Vdc	NO-NC	2 wires	order No.					
			Order 140.					
20-250 Vac/Vdc	NO	2 wires	order No.					
20-250 Vac/Vdc	NC	Zwiros						
U-250 VaC/ VuC	NC	2 wires	order No.					
0-250 Vac/Vdc	NO	2/3wires						
		2/3111103	order No.					
Analog 0-20mA	-	3 wires						
			order No.					
5+24 Vdc	NAMUR	2 wires	order No.		 			
			order ivo.					
Nominal Voltage				10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)			
Residual Ripple				< 10%	< 10%			
lysteresis				< 10%	< 10%			
Лах. Output Curre	nt			200 mA	200 mA			
/lin. Output Curre								
esidual Current				< 10 mA	< 10 mA			
oltage Drop				< 1,8 V (I=100mA)	< 1,8 V (I=100mA)			
peration Led				Yellow	Yellow			
witching Frequer	ncv			300 Hz	300 Hz			
itart Up Delay	,			< 50 ms	< 50 ms			
Repeability				< 3%	< 3%			
hort Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)			
Electric Protection			Against polarity reversal inductive loads	Against polarity reversal inductive loads				
emperature Limit				(-25 +60 °C)	(-25 +60 °C)			
Protection Degree				IP67	IP67			
Table Length								
Table Section								
Housing Material				Stainless-Steel	Stainless-Steel			
Weight - Cable Out	put							
Weight - M12 Conr				170 g	170 g			





SHORT STAIN	LESS 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
95B060180	95B060210
IS-30-03-52	IS-30-P3-S2
958060180	95B060220
IS-30-04-S2	IS-30-P4-S2
958060190	95B060230
	
10-30 Vdc (-15/10%)	10-30 Vdc (-15/10%)
< 10%	< 10%
< 10%	< 10%
200 mA	200 mA
< 10 mA	< 10 mA
< 1,2 V (I=100mA)	< 1,2 V (I=100mA)
Yellow	Yellow
200 Hz	200 Hz
< 75 ms	< 75 ms
< 3%	< 3%
Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +70 °C)	(-25 +70 °C)
IP67	IP67
Stainless-Steel	Stainless-Steel
170 g	170 g

METAL FACE

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

"M12/18/30 모델은 Diversey & ECOLAB 테스트(세제에 대한 부식)를 거친 제품입니다"









M12/18/30 FLUSH 모델은 ATEX 인증을 받은 제품입니다





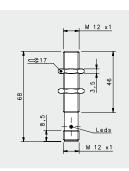


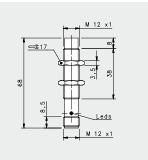


METAL FACE

METAL FACE M12



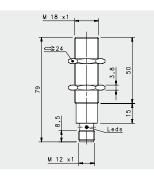




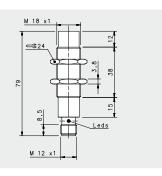
				METAI	L FACE
				FLUSH	NON FLUSH
				M12 conn	M12 conn
IOMINAL SWITCH	HING DISTANC	Œ		2 mm	4 mm
10-30 Vdc	PNP/NPN	4 wires			
	NO-NC		order No.		
10-30 Vdc	PNP NO	3 wires	N -	IS-12-I1-S2	IS-12-L1-S2
			order No.	95B065340 	95B063871
10-30 Vdc	PNP NC	3 wires	order No.		
	NPN		order No.		
10-30 Vdc	NO	3 wires	order No.		
10-30 Vdc	NPN	3 wires			
10-30 vac	NC	2 MILE2	order No.		
10-30 Vdc	PNP	3 wires			
	NO-NC		order No.		
10-30 Vdc	NPN	3 wires			
	NO-NC		order No.		
10-30 Vdc	NO-NC	2 wires	N -		
			order No.		
20-250 Vac/Vdc	NO	2 wires	order No.		
			order ivo.		
20-250 Vac/Vdc	NC	2 wires	order No.		
			Order No.		
20-250 Vac/Vdc	NO	2/3 wires	order No.		
		<u>.</u>			
Analog 0-20mA	-	3 wires	order No.		
5+24 Vdc	NAMUR	2 wires			
5+24 VUC	IVAIVIUR	2 WITES	order No.		
Nominal Voltage				10-30 Vdc	10-30 Vdc
Residual Ripple				< 10%	< 10%
Hysteresis				< 15%	< 15%
Max. Output Curre	nt			200 mA	200 mA
Min. Output Curre					
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 Freque	ncy			2000 Hz	1000 Hz
Start Up Delay					
Repeability				< 1%	< 1%
Short Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)
Electric Protection			Against polarity reversal inductive loads	Against polarity reversal inductive loads	
Temperature Limit			(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67
Cable Length					
Cable Section					
Housing Material				Stainless-Steel	Stainless-Steel
Weight - Cable Ou					
Weight - M12 Con	nector Output			30 g	30 g

METAL FACE M18





METAL FACE



				FLUSH	NON FLUSH		
				M12 conn	M12 conn		
NOMINAL SWITCH	HING DISTAN	CE		5 mm	8 mm		
10-30 Vdc	PNP/NPN	4 wires					
	NO-NC	- Wiles	order No.				
10-30 Vdc	PNP	3 wires		IS-18-I1-S2	IS-18-L1-S2		
10 30 vac	NO	J WIICS	order No.	95B065350	95B063881		
10-30 Vdc	PNP	3 wires					
10 30 140	NC	J WIICS	order No.				
10-30 Vdc	NPN	3 wires					
	NO	5 Wiles	order No.				
10-30 Vdc	NPN	3 wires					
10 30 vac	NC	J WIICS	order No.				
10-30 Vdc	PNP	3 wires					
10 30 vac	NO-NC	J WIICS	order No.				
10-30 Vdc	NPN	3 wires					
10-30 vac	NO-NC	2 MILE2	order No.				
10-30 Vdc	NO-NC	2 wires					
10-30 vac	NO-NC	2 WIICS	order No.				
20-250 Vac/Vdc	NO	2 wires					
20-250 Vac/ Vuc	NO	2 WITES	order No.				
20-250 Vac/Vdc	NC	2 wires					
20-250 Vac/ Vuc	INC	2 wires	order No.				
20-250 Vac/Vdc	NO	2/3 wires	2/2 wires	2/2.uiros			
20-250 Vac/ Vuc	NO		order No.				
Analas 0, 20m A	_	3 wires					
Analog 0-20mA	-	5 WITES	order No.				
5+24 Vdc	NAMUR	2 wires					
5+24 VUC	NAIVIUR	2 wires	order No.				
Nominal Voltage				10-30 Vdc	10-30 Vdc		
Residual Ripple				< 10%	< 10%		
Hysteresis				< 15%	< 15%		
Max. Output Curre	ent			200 mA	200 mA		
Min. Output Curre	ent			> 1,6 mA	> 1,6 mA		
Residual Current				< 0,01 mA	< 0,01 mA		
Voltage Drop				< 1,5 V	< 1,5 V		
Operation Led				Present	Present		
Switching Freque	ncy			1000 Hz	500 Hz		
Start Up Delay							
Repeability				< 1%	< 1%		
Short Circuit Protection			Present (self-resetting)	Present (self-resetting)			
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads		
Temperature Limit	Temperature Limit			(-25 +70 °C)	(-25 +70 °C)		
Protection Degree				IP67	IP67		
Cable Length							
Cable Section							
Housing Material				Stainless-Steel	Stainless-Steel		
Weight - Cable Ou	tput						
-	•			95g	95g		
Weight - M12 Connector Output				338	356		

WELD FIELD IMMUNE

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

"M12/18/30 모델은 Diversey & ECOLAB 테스트(세제에 대한 부식)를 거친 제품입니다"









M12/18/30 FLUSH 모델은 ATEX 인증을 받은 제품입니다



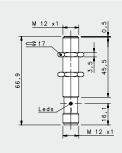


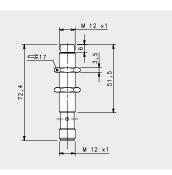


WELD FIELD IMMUNE

WELD FIELD IMMUNE M12



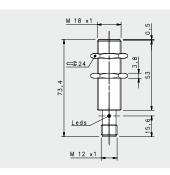


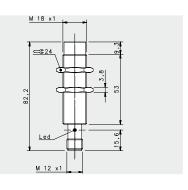


				FIELD IMMUNE STAINLESS STEEL					
				FLUSH	NON FLUSH				
			,	M12 conn	M12 conn				
NOMINAL SWITCH	HING DISTAN	CE		2 mm	4 mm				
40.20.1/4-	PNP/NPN	, i							
10-30 Vdc	NO-NC	4 wires	order No.						
10 20 1/4-	PNP	2ivaa		IS-F12-S1-S2	IS-F12-T1-S2				
10-30 Vdc	NO	3 wires	order No.	95B065360	95B065370				
10-30 Vdc	PNP	3 wires							
10-30 Vac	NC	5 WIIES	order No.						
10-30 Vdc	NPN	3 wires							
10-30 Vuc	NO	3 WIIES	order No.						
10-30 Vdc	NPN	3 wires							
10-30 vac	NC	2 MILE2	order No.						
10-30 Vdc	PNP	3 wires							
10-30 vac	NO-NC	2 MILE2	order No.						
10-30 Vdc	NPN	3 wires							
10 30 vac	NO-NC	J WIICS	order No.						
10-30 Vdc	NO-NC	2 wires							
10 30 vac	NO NC	2 WIICS	order No.						
20-250 Vac/Vdc	NO	2 wires							
20 230 Vac7 Vac	110	2 WIICS	order No.						
20-250 Vac/Vdc	NC	2 wires	2 wires						
LO 250 Vac, Vac	110	2 Wiles	order No.						
20-250 Vac/Vdc	NO	2/3wires							
20 250 140, 140	110	27 5 WIICS	order No.						
Analog 0-20mA	_	3 wires							
Tildlog o Zollin		5 Wiles	order No.						
5+24 Vdc	NAMUR	2 wires							
	10.000	2 1163	order No.						
				40.2011	40.701//				
Nominal Voltage				10-30 Vdc	10-30 Vdc				
Residual Ripple				< 10%	< 10%				
Hysteresis				< 15%	< 15%				
Max. Output Curre				200 mA	200 mA				
Min. Output Curre	ent			< 10mA	< 10mA				
Residual Current				< 0,1 mA	< 0,1 mA				
/oltage Drop				< 1,5V	< 1,5V				
Operation Led				Present	Present				
Switching Freque	ncy			2000 Hz	1000 Hz				
Start Up Delay				< 0,1 ms	< 0,1 ms				
Repeability	•		•		•			< 1%	< 1%
Short Circuit Prot	ection			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				
Table Length									
Cable Section									
Housing Material				Stainless-Steel	Stainless-Steel				
Weight - Cable Ou	tput								
Weight - M12 Con				25g	23g				

WELD FIELD IMMUNE M18







				FIELD IMMUNE STAINLESS STEEL		
				FLUSH	NON FLUSH	
				M12 conn	M12 conn	
NOMINAL SWITCH	HING DISTAN	CE		5 mm	8 mm	
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.			
10-30 Vdc	PNP NO	3 wires	order No.	IS-F18-S1-S2 95B065380	IS-F18-T1-S2 95B065390	
10-30 Vdc	PNP NC	3 wires				
10-30 Vdc	NPN	3 wires	order No.			
	NO NPN		order No.			
10-30 Vdc	NC	3 wires	order No.			
10-30 Vdc	PNP NO-NC	3 wires	order No.			
10-30 Vdc	NPN NO-NC	3 wires	order No.			
10-30 Vdc	NO-NC	2 wires				
20-250 Vac/Vdc	NO	2 wires	order No.			
			order No.			
20-250 Vac/Vdc	NC	2 wires	order No.			
20-250 Vac/Vdc	NO	2/3wires	order No.			
Analog 0-20mA	-	3 wires	order No.			
5+24 Vdc	NAMUR	2 wires	andan Na			
			order No.			
Nominal Voltage				10-30 Vdc	10-30 Vdc	
Residual Ripple				< 10%	< 10%	
Hysteresis				< 15%	< 15%	
Max. Output Curre	nt			200 mA	200 mA	
Min. Output Curre	ent			< 10mA	< 10mA	
Residual Current				< 0,1 mA	< 0,1 mA	
Voltage Drop				< 1,5V	< 1,5V	
Operation Led				Present	Present	
Switching Freque	ncv			1000 Hz	500 Hz	
Start Up Delay				< 0,2 ms	< 0,5 ms	
Repeability				< 1%	< 1%	
Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	
Electric Protection			Against polarity reversal inductive loads	Against polarity reversal inductive loads		
Temperature Limit				(-25 +70 °C)	(-25 +70 °C)	
Protection Degree				IP67	IP67	
-						
Cable Length						
Cable Section						
Housing Material				Stainless-Steel	Stainless-Steel	
Weight - Cable Out						
Weight - M12 Coni	nector Output			94g	91g	

INDUCTIVE AC

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

"M12/18/30 모델은 Diversey & ECOLAB 테스트(세제에 대한 부식)를 거친 제품입니다"







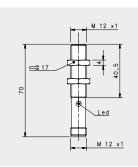


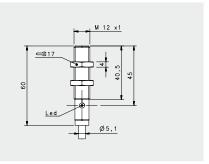
M12/18/30 FLUSH 모델은 ATEX 인증을 받은 제품입니다



INDUCTIVE AC M12



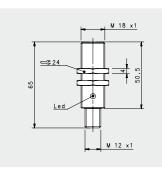


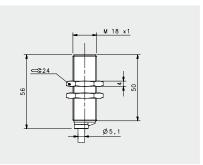


				STANDARD VAC			
					JSH		
				M12 conn	cable		
OMINAL SWITCH	IING DISTANC	E		2 mm	2 mm		
OMINAL SWITCH		.⊑					
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.				
	PNP		order No.				
0-30 Vdc	NO	3 wires	order No.				
	PNP		Order 140.				
0-30 Vdc	NC	3 wires	order No.				
	NPN						
0-30 Vdc	NO	3 wires	order No.				
0.207/4-	NPN	2					
0-30 Vdc	NC	3 wires	order No.				
0-30 Vdc	PNP	3 wires					
5-50 vac	NO-NC	2 MILE2	order No.				
0-30 Vdc	NPN	3 wires					
	NO-NC	5	order No.				
0-30 Vdc	NO-NC	2 wires					
			order No.				
0-250 Vac/Vdc	NO	2 wires					
			order No.				
0-250 Vac/Vdc	NC	2 wires	andan Na		 		
			order No.	 IS-12-A15-S2	 IS-12-A15-03		
0-250 Vac/Vdc	NO	2/3 wires	order No.	95B060690	95B060680		
			order No.				
nalog 0-20mA	-	3 wires	order No.				
			Order 140.				
+24 Vdc	NAMUR	2 wires	order No.				
Iominal Voltage				20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)		
esidual Ripple				< 10% < 10%	< 10% < 10%		
ysteresis Iax. Output Curre	nt			500 mA, inrush:1,5A	< 10% 500 mA, inrush:1,5A		
iax. Output Curre Iin. Output Curre				20 mA	20 mA		
esidual Current	:110			< 0,7 mA	< 0,7 mA		
oltage Drop				< 4 V (I=100mA)	< 4 V (I=100mA)		
peration Led				Yellow	Yellow		
witching Freque	ncv			25 Hz	25 Hz		
tart Up Delay	iicy			< 300 ms	< 300 ms		
Repeability				5%	5%		
hort Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)		
Electric 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					2 m		
able Section					2 x 0,25 mm²		
lousing Material				Nickel-plated brass	Nickel-plated brass		
Weight - Cable Out	tput				145g		
Neight - M12 Con				95g			

INDUCTIVE AC M18



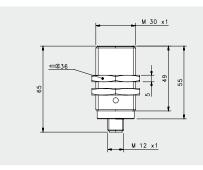


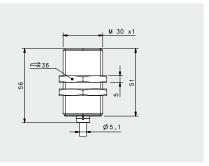


				STANDAR	D VAC
				FLUSH	
				M12 conn	cable
OMINAL SWITCH	HING DISTAN	CE		5 mm	5 mm
10-30 Vdc	PNP/NPN	4 wires			
	NO-NC	4 WIICS	order No.		
0-30 Vdc	PNP	3 wires			
	NO		order No.		
0-30 Vdc	PNP NC	3 wires	order No.	 	
	NPN		oraci ito:		
10-30 Vdc	NO	3 wires	order No.		
10. 20.1/4-	NPN	2			
0-30 Vdc	NC	3 wires	order No.		
0-30 Vdc	PNP	3 wires			
0-30 vac	NO-NC	2 Miles	order No.		
10-30 Vdc	NPN	3 wires			
	NO-NC	3 11	order No.		
0-30 Vdc	NO-NC	2 wires			
			order No.		
0-250 Vac/Vdc	NO	2 wires	audau Na		
			order No.		
0-250 Vac/Vdc	NC	2 wires	order No.		
			order ivo.	IS-18-A15-S2	IS-18-A15-03
0-250 Vac/Vdc	NO	2/3 wires	order No.	95B060780	95B060770
			Order IVO.		
nalog 0-20mA	-	3 wires	order No.		
2001	NAMES	<u>.</u>			
+24 Vdc	NAMUR	2 wires	order No.		
Iominal Voltage				20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)
Residual Ripple				< 10%	< 10%
ysteresis				< 10%	< 10%
Max. Output Curre	nt			500 mA, inrush:1,5A	500 mA, inrush:1,5A
lin. Output Curre				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 Freque	ncy			25 Hz	25 Hz
tart Up Delay				< 300 ms	< 300 ms
epeability				5%	5%
hort Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)
lectric Protection	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads
emperature Limit				(-25 +70 °C)	(-25 +70 °C)
rotection Degree				IP67	IP67
able Length					2 m
able Section					2 x 0,25 mm²
lousing Material				Nickel-plated brass	Nickel-plated brass
Weight - Cable Ou					145g
Veight - M12 Con	nector Output			95g	

INDUCTIVE AC M30







				STANDARD VAC			
				FLU	ISH		
				M12 conn	cable		
NOMINAL SWITCHING DISTANCE				10 mm	10 mm		
OMINAL SWITCH							
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.				
	DND		Oraci ivo.				
10-30 Vdc	NO	3 wires	order No.				
10. 20.1/4-	PNP	2					
10-30 Vdc	NC	3 wires	order No.				
10-30 Vdc	NPN	3 wires					
- 50 vac	NO	5 Wiles	order No.				
0-30 Vdc	NPN	3 wires					
	NC		order No.				
10-30 Vdc	PNP NO-NC	3 wires	and an Na				
			order No.				
0-30 Vdc	NPN NO-NC	3 wires	order No.				
	NO NC		order No.				
0-30 Vdc	NO-NC	2 wires	order No.				
			Order 140.				
:0-250 Vac/Vdc	NO	2 wires	order No.				
0.2501/ ///	NC	<u>.</u> .					
0-250 Vac/Vdc	NC	2 wires	order No.				
0-250 Vac/Vdc	NO	2/3wires		IS-30-A15-S2	IS-30-A15-03		
:0-250 Vac/ Vuc	INO	2/3 WILES	order No.	95B060820	95B060810		
nalog 0-20mA	_	3 wires					
inalog 0-20mA	_	2 MIIG2	order No.				
5+24 Vdc	NAMUR	2 wires					
			order No.				
Iominal Voltage				20+250 Vac (50,60 Hz)	20+250 Vac (50,60 Hz)		
Residual Ripple				< 10%	< 10%		
ysteresis				< 10%	< 10%		
, 1ax. Output Curre	nt			500 mA, inrush:1,5A	500 mA, inrush:1,5A		
lin. Output Curre				20 mA	20 mA		
esidual Current				< 0,7 mA	< 0,7 mA		
oltage Drop				< 4 V (I=100mA)	< 4 V (l=100mA)		
peration Led				Yellow	Yellow		
witching Freque	ncy			25 Hz	25 Hz		
Start Up Delay				< 300 ms	< 300 ms		
Repeability				5%	5%		
hort Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)		
Electric Protection			Against polarity reversal inductive loads	Against polarity reversal inductive loads			
emperature Limit				(-25 +70 °C)	(-25 +70 °C)		
Protection Degree				IP67	IP67		
able Length					2 m		
Table Section					2 x 0,25 mm²		
Housing Material				Nickel-plated brass	Nickel-plated brass		
Weight - Cable Out					145g		
Weight - M12 Con	nector Output			95g			

NAMUR

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

"M12/18/30 모델은 Diversey & ECOLAB 테스트(세제에 대한 부식)를 거친 제품입니다"









M12/18/30 FLUSH 모델은 ATEX 인증을 받은 제품입니다

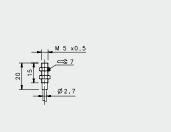


pag NAMUR





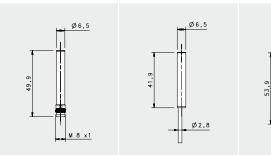


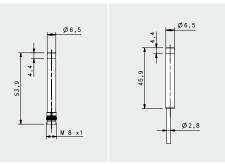


3	2			
				NAMUR
				FLUSH
				cable
NOMINAL SWITCH	HING DISTAN	CE		0,8 mm
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.	
10-30 Vdc	PNP NO	3 wires	order No.	
10-30 Vdc	PNP NC	3 wires		
10-30 Vdc	NPN	3 wires	order No.	
10-30 Vdc	NO NPN	3 wires	order No.	
	NC PNP		order No.	
10-30 Vdc	NO-NC	3 wires	order No.	
10-30 Vdc	NPN NO-NC	3 wires	order No.	
10-30 Vdc	NO-NC	2 wires	order No.	
20-250 Vac/Vdc	NO	2 wires	order No.	
20-250 Vac/Vdc	NC	2 wires	order No.	
20-250 Vac/Vdc	NO	2/3wires		
			order No.	
Analog 0-20mA	-	3 wires	order No.	
5+24 Vdc	NAMUR	2 wires	order No.	IS-05-A20-03 95B065410
Nominal Voltage				6+12 V DC
Residual Ripple				
Hysteresis				< 10%
Max. Output Curre	nt			< 3 mA (metal absent)
Min. Output Curre	ent			< 1 mA (metal present)
Residual Current				
Voltage Drop				
Operation Led				Yellow
Switching Freque	ncy			2000 Hz
Start Up Delay				< 10 ms
Repeability				
Short Circuit Protection				Present (self-resetting)
Electric Protection				Against polarity reversal inductive loads
Temperature Limit				(-25 +70 °C)
Protection Degree				IP67
Cable Length				2 m (PVC)
Cable Section				2x 0,15 mm²
Housing Material Weight - Cable Out	tnut			Stainless-Steel 25g
Weight - M12 Con				
ANEIRIIC - INI I 7 COLL	nector output			

NAMUR M6.5

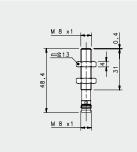


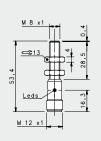


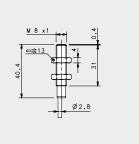


				NAMUR				
				FLU	JSH	NON FLUSH		
				M8 conn	cable	M8 conn	cable	
NOMINAL SWITCHII	NG DISTANO	CE		1 mm	1 mm	2 mm	2 mm	
10-30 Vdc	PNP/NPN	4 wires						
	NO-NC		order No.					
10-30 Vdc	PNP NO	3 wires	order No.					
10-30 Vdc	PNP	3 wires						
10 30 vac	NC	5 WIICS	order No.					
10-30 Vdc	NPN NO	3 wires	order No.					
10-30 Vdc	NPN NC	3 wires	order No.					
_	PNP		Order 140.					
10-30 Vdc	NO-NC	3 wires	order No.					
10-30 Vdc	NPN	3 wires						
10 30 tuc	NO-NC	5 Wiles	order No.					
10-30 Vdc	NO-NC	2 wires	audau Na					
			order No.					
20-250 Vac/Vdc	NO	2 wires	order No.					
20. 250 \/ ///	NC	2						
20-250 Vac/Vdc	NC	2 wires	order No.					
20-250 Vac/Vdc	NO	2/3 wires						
			order No.					
Analog 0-20mA	-	3 wires	order No.					
			oraci ivo.	IS-65-A20-S1	IS-65-A20-03	IS-65-C20-S1	IS-65-C20-03	
5+24 Vdc	NAMUR	2 wires	order No.	95B066310	95B066290	95B066320	95B066300	
				77.0406	77.04.05	77.01/05	77 01/05	
Nominal Voltage				7,7 + 9 V DC				
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
lysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Current				< 3 mA (metal absent)				
Min. Output Current	t			< 1 mA (metal present)				
Residual Current								
/oltage Drop								
Operation Led				Yellow	Yellow	Yellow	Yellow	
witching Frequenc	-y			2000 Hz	2000 Hz	2000 Hz	2000 Hz	
Start Up Delay								
Repeability	4:			< 3%	< 3% Present (self-resetting)	< 3% Present (self-resetting)	< 3% Present (self-resetting	
hort Circuit Protec	LION			Present (self-resetting)	, 5,	, 5,		
Electric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversa 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					2x 0,25 mm²		2 x 0,25 mm²	
Housing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel	Stainless-Steel	
Weight - Cable Outp					80 g		80 g	
Weight - M12 Conne	ector Output			40 g		40 g		

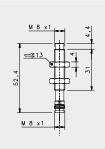


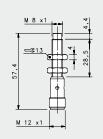


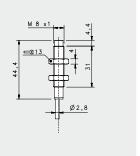




					NAMUR	
					FLUSH	
				M8 conn	M12 conn	cable
OMINAL SWITCH	HING DISTANC	ΞE		1 mm	1 mm	1 mm
	PNP/NPN					
0-30 Vdc	NO-NC	4 wires	order No.			
	PNP					
0-30 Vdc	NO	3 wires	order No.			
10-30 Vdc	PNP	3 wires				
.U-30 VUC	NC	5 WIIES	order No.			
10-30 Vdc	NPN	3 wires				
- 30 Vac	NO	J WIICS	order No.			
0-30 Vdc	NPN	3 wires				
	NC	3 1163	order No.			
10-30 Vdc	PNP	3 wires				
	NO-NC		order No.			
0-30 Vdc	NPN NO-NC	3 wires	and an Ma			
	INO-INC		order No.			
10-30 Vdc	NO-NC	2 wires	order No			
			order No.			
20-250 Vac/Vdc	NO	2 wires	order No.			
			order No.			
:0-250 Vac/Vdc	NC	2 wires	order No.			
			order ivo.			
0-250 Vac/Vdc	NO	2/3 wires	order No.			
			order 1101			
Analog 0-20mA	-	3 wires	order No.			
				IS-08-A20-S1	IS-08-A20-S2	S-08-A20-03
5+24 Vdc	NAMUR	2 wires	order No.	95B066760	95B066780	95B066740
Nominal Voltage				7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC
Residual Ripple				< 10%	< 10%	< 10%
lysteresis				< 10%	< 10%	< 10%
/lax. Output Curre				< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent)
Min. Output Curre	ent			< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)
Residual Current						
oltage Drop						
peration Led				Yellow	Yellow	Yellow
witching Freque	ncy			2000 Hz 	2000 Hz	2000 Hz
Start Up Delay Repeability				 < 3%	 < 3%	< 3%
hort Circuit Prote	action			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
nort circuit Prote	ECCION			· ·		
lectric Protection	1			Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
emperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
rotection Degree				IP67	IP67	IP67
able Length						2 m
Table Section						2x 0,25 mm²
lousing Material Veight - Cable Out	tnut			Stainless-Steel	Stainless-Steel	Stainless-Steel 80 g
Weight - Cable Oui Weight - M12 Coni	•			35g	55g	

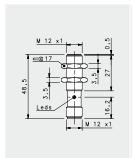


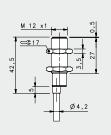


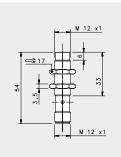


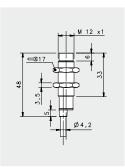
	NAMUR	
	NON FLUSH	
M8 conn	M12 conn	cable
2 mm	2 mm	2 mm
IS-08-C20-S1 95B066790	IS-08-C20-S2 95B066770	IS-08-C20-03 95B066750
95000790	958000770	938000730
7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC
< 10%	< 10%	< 10%
< 10%	< 10%	< 10%
< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent)
< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)
Yellow	Yellow	Yellow
2000 Hz	2000 Hz	2000 Hz
< 3%	< 3%	< 3%
Present (self-resetting)	Present (self-resetting)	Present (self-resetting)
Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads
(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)
IP67	IP67	IP67
		2 m
		2 x 0,25 mm²
Stainless-Steel	Stainless-Steel	Stainless-Steel
		80 g
35g	55g	





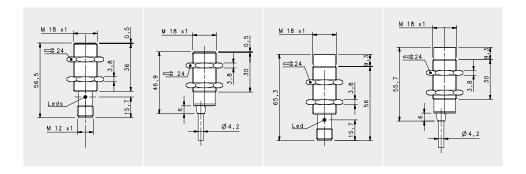






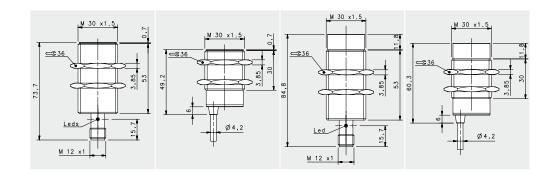
					NAI	UR		
				FLU	ISH	NON FLUSH		
				M12 conn	cable	M12 conn	cable	
OMINAL SWITCH	IING DISTAN	CE		2 mm	2 mm	4mm	4mm	
	PNP/NPN							
0-30 Vdc	NO-NC	4 wires	order No.					
0.201/4-	PNP	2						
0-30 Vdc	NO	3 wires	order No.					
0-30 Vdc	PNP	3 wires						
0-30 vac	NC	2 MILE2	order No.					
0-30 Vdc	NPN	3 wires						
	NO	5 WIICS	order No.					
0-30 Vdc	NPN	3 wires						
	NC		order No.					
0-30 Vdc	PNP NO-NC	3 wires						
			order No.					
0-30 Vdc	NPN NO-NC	3 wires	audau Na					
	IVO-IVC		order No.					
0-30 Vdc	NO-NC	2 wires	order No.					
			order No.					
0-250 Vac/Vdc	NO	2 wires	order No.					
			order No.					
0-250 Vac/Vdc	NC	2 wires	order No.					
			order ivo.					
0-250 Vac/Vdc	NO	2/3 wires	order No.					
			order reci					
nalog 0-20mA	-	3 wires	order No.					
		Ī		IS-12-A20-S2	IS-12-A20-03	IS-12-C20-S2	IS-12-C20-03	
+24 Vdc	NAMUR	2 wires	order No.	95B064180	95B064160	95B064190	95B064170	
Iominal Voltage				7,7 + 9 V DC				
esidual Ripple				< 10%	< 10%	< 10%	< 10%	
ysteresis				< 10%	< 10%	< 10%	< 10%	
1ax. Output Curre	nt			< 3 mA (metal absent)				
1in. Output Curre	nt			< 1 mA (metal present)				
esidual Current								
oltage Drop								
peration Led				Yellow	Yellow	Yellow	Yellow	
witching Freque	ncy			2000 Hz	2000 Hz	2000 Hz	2000 Hz	
tart Up Delay								
Repeability				< 3%	< 3%	< 3%	< 3%	
hort Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
lectric Protection	1			Against polarity reversal inductive loads				
emperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	
rotection Degree				IP67	IP67	IP67	IP67	
able Length					2 m		2 m	
able Section					2 x 0,25 mm^2		2 x 0,25 mm^2	
lousing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel	Stainless-Steel	
Weight - Cable Out	•				110 g		110 g	
Weight - M12 Con	nector Output			60 g		60 g		





					IAN	MUR		
				FLL	JSH	NON FLUSH		
				M12 conn	cable	M12 conn	cable	
OMINAL SWITCH	ING DISTANC	Œ		5mm	5mm	8mm	8mm	
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.					
10-30 Vdc	PNP NO	3 wires						
10-30 Vdc	PNP	3 wires	order No.					
	NC NPN		order No.					
0-30 Vdc	NO	3 wires	order No.					
0-30 Vdc	NPN NC	3 wires	order No.					
0-30 Vdc	PNP NO-NC	3 wires	order No.					
0-30 Vdc	NPN	3 wires						
	NO-NC		order No.					
0-30 Vdc	NO-NC	2 wires	order No.					
0-250 Vac/Vdc	NO	2 wires	order No.					
20-250 Vac/Vdc	NC	2 wires	order No.					
0-250 Vac/Vdc	NO	2/3 wires						
nalog 0, 20m/l	_	3 wires	order No.					
inalog 0-20mA	_	3 WIIES	order No.					
+24 Vdc	NAMUR	2 wires	order No.	IS-18-A20-S2 95B064380	IS-18-A20-03 95B064360	IS-18-C20-S2 95B064390	IS-18-C20-03 95B064370	
Nominal Voltage				7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC	7,7 + 9 V DC	
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
lysteresis				< 10%	< 10%	< 10%	< 10%	
fax. Output Curren	it			< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent)	< 3 mA (metal absent	
Min. Output Currer				< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present)	< 1 mA (metal present	
Residual Current								
oltage Drop								
peration Led				Yellow	Yellow	Yellow	Yellow	
witching Frequen	cv			1000 Hz	1000 Hz	1000 Hz	1000 Hz	
tart Up Delay	-1							
epeability				< 3%	< 3%	< 3%	< 3%	
hort Circuit Prote	ction			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting	
lectric Protection				Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity reversal inductive loads	Against polarity revers	
emperature Limit				(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	(-25 +60 °C)	
rotection Degree				IP67	IP67	IP67	IP67	
able Length					2 m		2 m	
able Section					2 x 0,25 mm²		2 x 0,25 mm²	
Housing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel	Stainless-Steel	
Neight - Cable Outp	nut				145g	otalilless-oteel	145g	
weight - cable out	ector Output			95g	145g 	95g	145g	





					1451	IAMOR		
				FLU	ISH	NON FLUSH		
				M12 conn	cable	M12 conn	cable	
IOMINAL SWITCH	IING DISTAN	CE		10mm	10mm	15mm	15mm	
10-30 Vdc	PNP/NPN	/, wires						
10-30 Vac	NO-NC	4 wires	order No.					
10-30 Vdc	PNP NO	3 wires	order No.					
10.20.1/4-	PNP	2	order No.					
10-30 Vdc	NC	3 wires	order No.					
10-30 Vdc	NPN NO	3 wires	order No.					
	NPN		order No.					
10-30 Vdc	NC	3 wires	order No.					
	PNP		oraci itoi					
10-30 Vdc	NO-NC	3 wires	order No.					
10-30 Vdc	NPN	2 wires						
10-30 vac	NO-NC	3 wires	order No.					
10-30 Vdc	NO-NC	2 wires						
10-30 vac	IVO-IVC	2 WIIES	order No.					
20-250 Vac/Vdc	NO	2 wires						
.0 250 vac/ vac	140	2 Wiles	order No.					
:0-250 Vac/Vdc	NC	2 wires						
250 140, 140		2 1111103	order No.					
20-250 Vac/Vdc	NO	2/3wires						
			order No.					
Analog 0-20mA	-	3 wires	audau Na					
			order No.					
5+24 Vdc	NAMUR	2 wires	order No.	IS-30-A20-S2 95B064630	IS-30-A20-03 95B064610	IS-30-C20-S2 95B064640	IS-30-C20-03 95B064620	
Nominal Voltage				7,7 + 9 V DC				
Residual Ripple				< 10%	< 10%	< 10%	< 10%	
lysteresis				< 10%	< 10%	< 10%	< 10%	
Max. Output Currer				< 3 mA (metal absent)				
Min. Output Curre	nt			< 1 mA (metal present)				
Residual Current								
/oltage Drop				 V-II	V-II	V-II	 V-II	
operation Led				Yellow	Yellow	Yellow	Yellow	
Switching Frequen	icy			500 Hz	500 Hz	500 Hz	500 Hz	
Start Up Delay Repeability				 < 3%	 < 3%	 < 3%	 < 3%	
Repeablicy Short Circuit Prote	ection			Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	Present (self-resetting)	
lectric Protection				Against polarity reversal	Against polarity reversal	Against polarity reversal	Against polarity reversal	
				inductive loads	inductive loads	inductive loads	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	
Table Section				Chainless Charl	2 x 0,25 mm²	Chairless Charl	2 x 0,25 mm²	
Housing Material				Stainless-Steel	Stainless-Steel	Stainless-Steel	Stainless-Steel	
Neight - Cable Out	•			470 -	210 g	470 -	210 g	
Weight - M12 Conn	nector Output			170 g		170 g		

SOUARE

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

"M12/18/30 모델은 Diversey & ECOLAB 테스트(세제에 대한 부식)를 거친 제품입니다"









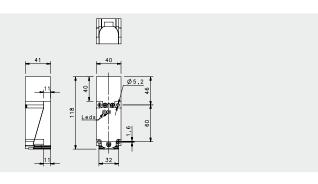
M12/18/30 FLUSH 모델은 ATEX 인증을 받은 제품입니다



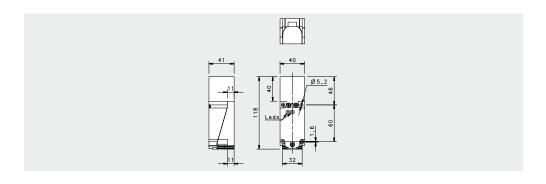


SOUARE 40X40





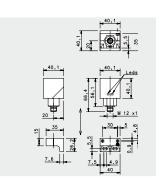
				40X40			
				FLUSH	NON FLUSH		
				Terminal Block	Terminal Block		
NOMINAL SWITCHING DISTANCE				15 mm	30mm		
10-30 Vdc	PNP/NPN NO-NC	4 wires	order No.				
10-30 Vdc	PNP NO	3 wires	order No.				
10-30 Vdc	PNP NC	3 wires	order No.				
10-30 Vdc	NPN NO	3 wires	order No.				
10-30 Vdc	NPN NC	3 wires					
10-30 Vdc	PNP	3 wires	order No.	 IS-40-W5-S3	 IS-40-Y5-S3		
	NO-NC NPN		order No.	95B065240 IS-40-W6-S3	95B065280 IS-40-Y6-S3		
10-30 Vdc	NO-NC	3 wires	order No.	95B065230 	95B065270 		
10-30 Vdc	NO-NC	2 wires	order No.	 			
20-250 Vac/Vdc	NO	2 wires	order No.	 			
20-250 Vac/Vdc	NC	2 wires	order No.	 			
20-250 Vac/Vdc	NO	2/3wires					
Analog 0-20mA	_	3 wires	order No.				
5+24 Vdc	NAMUR	2 wires	order No.	 			
7724 VUC	IVAIVIOR	2 WIIES	order No.				
Iominal Voltage				10-30 Vdc	10-30 Vdc		
Residual Ripple				< 10%	< 10%		
lysteresis				< 15% (Sr)	< 15% (Sr)		
Лах. Output Curre	ent			200mA	200mA		
Ain. Output Curre	ent						
Residual Current				< 0,01 mA	< 0,01 mA		
oltage Drop				< 1,5V	< 1,5V		
Operation Led				YES	YES		
Switching Freque	ncy			100 Hz	100 Hz		
Start Up Delay							
epeability				< 1.0% (Sr)	< 1.0% (Sr)		
hort Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)		
lectric Protection	n			Against polarity reversal inductive loads	Against polarity reversal inductive loads		
emperature Limit	t			(-25+75C)	(−25 +75 °C)		
Protection Degree				IP67	IP67		
able Length							
Table Section							
Housing Material				PBT (RESIN)	PBT (RESIN)		
Weight - Cable Ou	tput						
Weight - M12 Con				262g	262g		

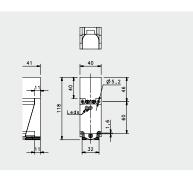


40X40 \	VAC/VDC
FLUSH	NON FLUSH
Terminal Block	Terminal Block
15 mm	30mm
	
	
S-40-W7-S3	IS-40-Y7-S3
95B065250	95B065290
IS-40-W8-S3	IS-40-Y8-S3
95B065260	95B065300
20-250 VAC/Vdc, 50-60 Hz	20-250 VAC/Vdc, 50-60 Hz
< 10%	< 10%
< 15% (Sr)	< 15% (Sr)
200mA	200mA
< 2,5mA	< 2,5mA
< 10Vac ; < 8Vdc	< 10Vac ; < 8Vdc
YES	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)
(-25 +70 C) IP67	(-25 +/0 °C) IP67
iro/ 	
PBT (RESIN)	PBT (RESIN)
262g	262g
	~

SOUARE 40X40



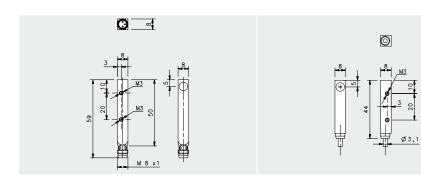




				SHORT	ANALOG OUTPUT
				FLUSH	NON FLUSH
				M12 conn.	Terminal Block
NOMINAL SWITCH	HING DISTANCE	E		15mm	7-20mm
40.70.1/4-	PNP/NPN	/in			
10-30 Vdc	NO-NC	4 wires	order No.		
10-30 Vdc	PNP	3 wires			
10 30 vac	NO	J WIICS	order No.		
10-30 Vdc	PNP	3 wires			
	NC		order No.		
10-30 Vdc	NPN NO	3 wires	and an Na		
			order No.		
10-30 Vdc	NPN NC	3 wires	order No.		
	DND		oraci ivo.	IS-40-X5-S2	
10-30 Vdc	NO-NC	3 wires	order No.	95B065320	
	NPN			IS-40-X6-S2	
10-30 Vdc	NO-NC	3 wires	order No.	95B065310	
10 70 1/4-	NO NC	2			
10-30 Vdc	NO-NC	2 wires	order No.		
20-250 Vac/Vdc	NO	2 wires			
20-250 vac/ vuc	NO	2 WIIES	order No.		
20-250 Vac/Vdc	NC	2 wires			
250 740, 740			order No.		
20-250 Vac/Vdc	NO	2/3wires			
			order No.		
Analog 0-20mA	-	3 wires	audau Na		IS-40-C11-53
			order No.		95B065330
5+24 Vdc	NAMUR	2 wires	order No.		
			oraci itoi		
Nominal Voltage				10-30 Vdc	18-30 Vdc
Residual Ripple				< 10%	< 10%
Hysteresis				< 15% (Sr)	< 10% (Sr)
Max. Output Curre	ent			200mA	0-20mA/200 Max.
Min. Output Curre	ent				
Residual Current				< 0,01mA	
/oltage Drop				< 1,5V	
Operation Led				YES	
Switching Freque	ncy			100 Hz	100 Hz
Start Up Delay					D (f)
Repeability Short Circuit Prot	oction			< 1.0% (Sr)	5% (Sr) Temperature Drift
mort Circuit Proti	eccion			Present (self-resetting)	Present (self-resetting)
Electric Protection			Against polarity reversal inductive loads	Against polarity reversal inductive loads	
Temperature Limit	t			(-25+70 °C)	(-25 +70 °C)
Protection Degree				IP67	IP67
Cable Length					
Cable Section					
Housing Material				PBT (RESIN)	PBT (RESIN)
Weight - Cable Ou					
Weight - M12 Con	nector Output			170 g	242g

SOUARE 8X8





			_	SHORT			
				FLU	SH		
				M8 conn	cable		
IOMINAL SWITCH	HING DISTAN	CE		1,5mm	1,5mm		
10-30 Vdc	PNP/NPN	4 wires					
	NO-NC		order No.	 IC 00 04 C4	 IC 00 04 03		
10-30 Vdc	PNP NO	3 wires	order No.	IS-88-Q1-S1 95B060840	IS-88-Q1-03 95B060830		
	PNP		order No.				
10-30 Vdc	NC	3 wires	order No.				
10 201/4-	NPN	2					
10-30 Vdc	NO	3 wires	order No.				
10-30 Vdc	NPN	3 wires					
10 30 vac	NC	5 Wiles	order No.				
10-30 Vdc	PNP	3 wires					
	NO-NC		order No.				
10-30 Vdc	NPN NO-NC	3 wires	and an Na				
	INO-INC		order No.				
10-30 Vdc	NO-NC	2 wires	order No.	 			
			order No.				
20-250 Vac/Vdc	NO	2 wires	order No.				
			order redi				
20-250 Vac/Vdc	lc NC 2 wires	2 wires	order No.				
20 250 1/ 1/1/-	NO	2/2 :					
20-250 Vac/Vdc	NO	2/3 wires	order No.				
Analog 0-20mA	_	3 wires					
thatog o-zonia		2 MIIC2	order No.				
5+24 Vdc	NAMUR	2 wires					
	10, 111, 111	2 1111103	order No.				
Iominal Voltago				10-30 Vdc	10-30 Vdc		
Nominal Voltage Residual Ripple				< 10%	< 10%		
lysteresis				< 10% (Sr)	< 10% (Sr)		
лах. Output Curre	nt			200mA	200mA		
1in. Output Curre							
lesidual Current							
oltage Drop				< 1,2V	< 1,2V		
peration Led				Yellow	Yellow		
witching Freque	ncy			500 Hz	500 Hz		
tart Up Delay				75 ms	75 ms		
epeability				< 3%	< 3%		
hort Circuit Prot	ection			Present (self-resetting)	Present (self-resetting)		
lectric Protection	ı			Against polarity reversal inductive loads	Against polarity reversal inductive loads		
emperature Limit				(-25 +70 °C)	(-25 +70 °C)		
rotection Degree				IP67	IP67		
able Length					2 m		
able Section					3x0,14mm²		
Housing Material				nickel-plated brass	nickel-plated brass		
Weight - Cable Ou					80 g		
Neight - M12 Con	nector Output			40 g			

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

"M12/18/30 모델은 Diversey & ECOLAB 테스트(세제에 대한 부식)를 거친 제품입니다"









M12/18/30 FLUSH 모델은 ATEX 인증을 받은 제품입니다

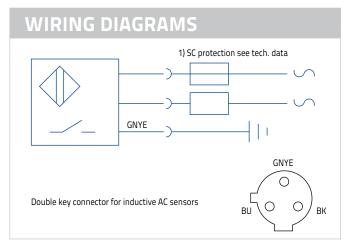


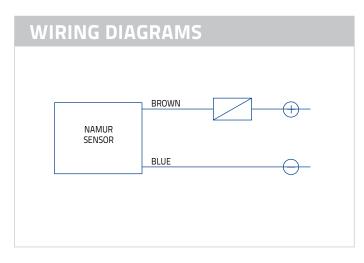


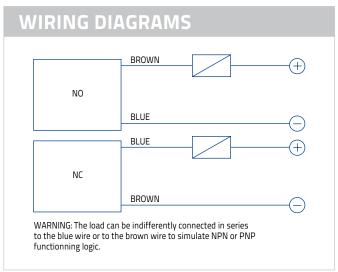
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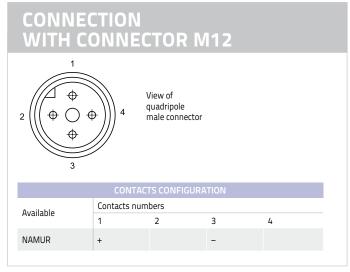
2-3 POLES - AC CABLES

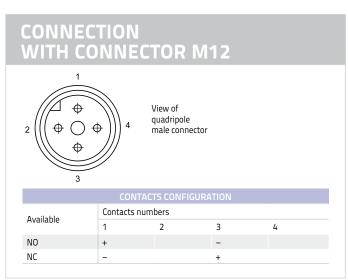
CONNECTOR	TYPE	ORIENTATION	LENGTH	MATERIAL	CODING	ORDER No.
M12	M12 "shielded AC sensors"	andal danible harr	2m	PVC	CS-A1-21-R-03	95A252880
IVI 12		axial, double key	5m	PVC	CS-A1-21-R-05	95A252890

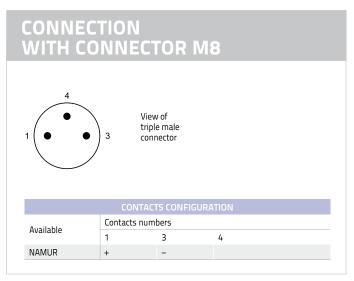






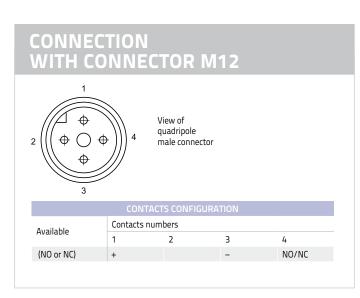


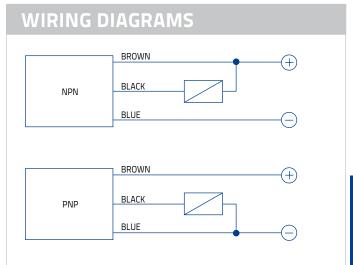


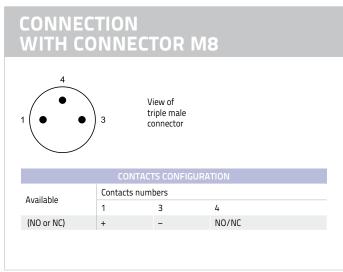


3 POLES

CONNECTOR	TYPE	ORIENTATION	LENGTH	MATERIAL	CODING	ORDER No.
			3m		CS-A1-01-G-03	95A251290
		axial	5m		CS-A1-01-G-05	95A251300
		dXIdI	7m		CS-A1-01-G-07	95A251320
			10m		CS-A1-01-G-10	95A251340
M12	shielded		3m	DVC	CS-A2-01-G-03	95A251200
IVI I Z	Silieided	radial 00°	5m	PVC	CS-A2-01-G-05	95A251210
		radial 90°	7m		CS-A2-01-G-07	95A251220
			10m		CS-A2-01-G-10	95A251230
		radial 90° + LED	5m		CS-A2-11-G-05	95A251310
			10m		CS-A2-11-G-10	95A251330
			3m	PVC	CS-B1-01-G-03	95A251490
			5m	PVC	CS-B1-01-G-05	95A251510
		axial	2m	DUD	CS-B1-01-R-02	95A251580
Mo	ahialdad		5m	PUR	CS-B1-01-R-05	95A251600
M8	shielded		3m	DVC	CS-B2-01-G-03	95A251500
		4:-1 000	5m	PVC	CS-B2-01-G-05	95A251520
		radial 90°	2m	DUD	CS-B2-01-R-02	95A251590
			5m	PUR	CS-B2-01-R-05	95A251610

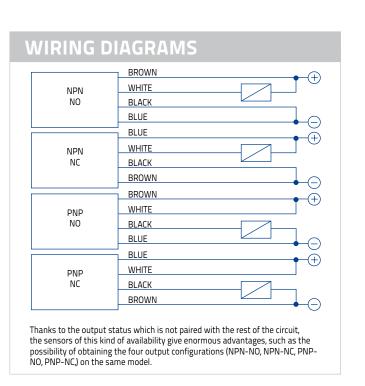


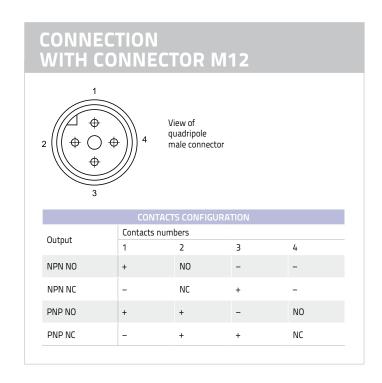




4 POLES

CONNECTOR	TYPE	ORIENTATION	LENGTH	MATERIAL	CODING	ORDER No.
			3m		CS-A1-02-G-03	95A251380
			5m	PVC	CS-A1-02-G-05	95A251270
		avial	7m	PVC	CS-A1-02-G-07	95A251280
		axial	10m		CS-A1-02-G-10	95A251390
			2 m	DUD	CS-A1-02-R-02	95A251540
			5m	PUR	CS-A1-02-R-05	95A251560
			3m		CS-A2-02-G-03	95A251360
	shielded		5m	D) (C	CS-A2-02-G-05	95A251240
		1. 1000	7m	PVC	CS-A2-02-G-07	95A251245
		radial 90°	10m		CS-A2-02-G-10	95A251260
M12			2 m	BUB	CS-A2-02-R-02	95A251550
			5m	PUR	CS-A2-02-R-05	95A251570
			3m		CS-A2-12-G-03	95A251400
		radial 90° + LED	5m	PVC	CS-A2-12-G-05	95A251350
			10m		CS-A2-12-G-10	95A251370
		axial	3m		CS-A1-02-U-03	95ASE1120
			5m		CS-A1-02-U-05	95ASE1130
	"unshielded UL2464"		10m	PVC	CS-A1-02-U-10	95ASE1140
	UL2404		15m		CS-A1-02-U-15	95ASE1150
			25m		CS-A1-02-U-25	95ASE1160
			3m		CS-B1-02-G-03	95A251420
			5m		CS-B1-02-G-05	95A251430
			7m	PVC	CS-B1-02-G-07	95A251440
		axial	10m		CS-B1-02-G-10	95A251480
			2 m	BUB	CS-B1-02-R-02	95A251620
			5m	PUR	CS-B1-02-R-05	95A251640
M8	shielded		3m		CS-B2-02-G-03	95A251450
			5m		CS-B2-02-G-05	95A251460
			7m	PVC	CS-B2-02-G-07	95A251470
		radial 90°	10m		CS-B2-02-G-10	95A251530
			2 m		CS-B2-02-R-02	95A251630
			5m	PUR	CS-B2-02-R-05	95A251650

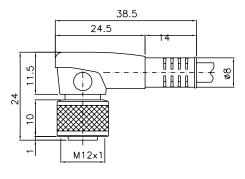


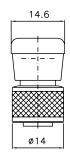


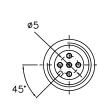
CONNECTOR

CONNECTOR	TYPE	ORIENTATION	LENGTH	MATERIAL	CODING	ORDER No.	
M42	M43	axial	FEMALE	PVC, gold-nickel-pla	PVC, gold-nickel-plated	CS-A1-02-B-NC	G5085002
M12 connector	radial	FEMALE	brass	CS-A2-02-B-NC	G5085003		

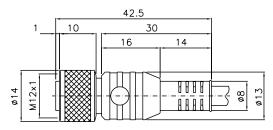
RADIAL M12



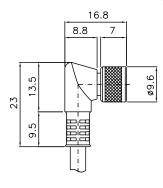


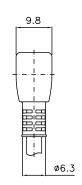


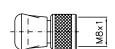
AXIAL M12



RADIAL M8



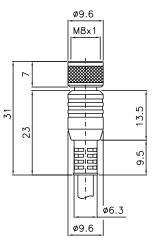








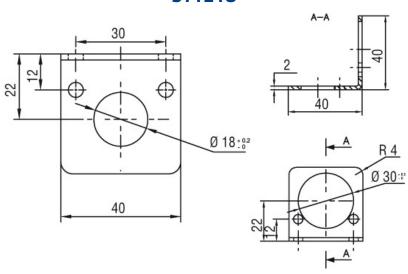
AXIAL M8



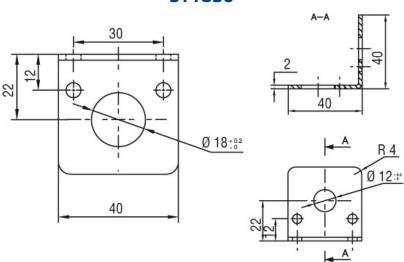
ACCESSORIES SELECTION AND ORDER INFORMATION

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

ST1218



ST1830



MODEL SELECTION AND ORDER INFORMATION

SENSOR	M4, M5, M6,5					
S-O4-A3-03 958061001 STAINLESS STEEL 34 IS-O5-A1-03 958061041 BASIC 35 IS-O5-A1-05 958061041 BASIC 35 IS-O5-A20-03 958065410 NAMUR 62 IS-O5-A3-03 958065410 NAMUR 62 IS-O5-A3-03 958065420 BASIC 35 IS-O5-A3-03 958065420 BASIC 10 IS-O5-A3-03 958066320 BASIC 10 IS-O5-A3-03 958066320 NAMUR 63 IS-O5-A3-03 958066310 NAMUR 63 IS-O5-A2-03 958066310 NAMUR 63 IS-O5-A3-03 958066310 NAMUR 63 IS-O5-A3-03 958066310 BASIC 10 IS-O5-A3-03 958066300 BASIC 10 IS-O5-A3-03 958066300 BASIC 10 IS-O5-A3-03 958066300 BASIC 10 IS-O5-A3-03 958066490 BASIC 10 IS-O5-A3-03 958064690 BASIC 10 IS-O5-A3-03 958064690 BASIC 10 IS-O5-B3-15 958066010 BASIC 11 IS-O5-B1-03 958064730 BASIC 11 IS-O5-B1-03 958064930 BASIC 11 IS-O5-B1-03 9580064930 BASIC 10 IS-O5-C1-03 9580064930 BASIC 11 IS-O5-D1-03 9580064930 BASIC 11 IS-O5-D1-03 9580064930 BASIC 11 IS-O5-D1-03 9580064930 BASIC	SENSOR	Order No.	Category	Pag.		
IS-05-A1-03 958061041 BASIC 35 IS-05-A2-03 958065410 NAMUR 62 IS-05-A2-03 958065410 NAMUR 62 IS-05-A2-03 958065421 BASIC 35 IS-05-A2-03 958065420 BASIC 10 IS-65-A2-03 958066290 NAMUR 63 IS-65-A2-03 958066290 NAMUR 63 IS-65-A2-03 958066290 NAMUR 63 IS-65-A2-03 958066290 NAMUR 63 IS-65-A2-03 958066290 BASIC 10 IS-65-A2-03 958066290 BASIC 10 IS-65-A2-03 958066590 BASIC 10 IS-65-A2-03 958064650 BASIC 10 IS-65-A2-03 958064650 BASIC 10 IS-65-A2-03 958064690 BASIC 10 IS-65-A2-03 958064690 BASIC 10 IS-65-B1-03 958064690 BASIC 10 IS-65-B1-03 958064690 BASIC 10 IS-65-B1-03 958064970 BASIC 10 IS-65-B1-03 958064750 BASIC 11 IS-65-B1-03 958064750 BASIC 11 IS-65-B1-03 958064750 BASIC 11 IS-65-B2-03 958064750 BASIC 11 IS-65-B2-03 958064790 BASIC 11 IS-65-B2-03 95806470 BASIC 11 IS-65-B2-03 958064670 BASIC 11 IS-65-B3-03 958064670 BASIC 11 IS-65-B3-03 958064690 BASIC 11 IS-65-B4-51 958066030 BASIC 11 IS-65-B4-51 958066030 BASIC 11 IS-65-B4-51 958066030 BASIC 11 IS-65-C2-03 958064990 BASIC 10 IS-65-C2-03 958064990 BASIC 10 IS-65-C2-03 958066320 NAMUR 63 IS-65-C2-03 958066320 NAMUR 63 IS-65-C2-03 958066320 NAMUR 63 IS-65-C2-03 958066320 NAMUR 63 IS-65-C3-51 958066320 NAMUR 63 IS-65-C3-51 958066320 NAMUR 63 IS-65-C3-51 958066320 BASIC 10 IS-65-C3-03 95806490 BASIC 10 IS-65-C3-03 95806490 BASIC 10 IS-65-C3-03 95806490 BASIC 11 IS-65-D3-03 95806490	IS-04-A1-03	95B061011	STAINLESS STEEL	34		
IS-05-A1-51 95B061051 BASIC 35 IS-05-A20-03 95B065410 NAMUR 62 IS-05-A3-51 95B061021 BASIC 35 IS-05-A3-51 95B061021 BASIC 35 IS-05-A4-03 95B065420 BASIC 35 IS-05-A4-03 95B065420 BASIC 35 IS-05-A1-51 95B0660730 BASIC 10 IS-65-A1-51 95B066050 BASIC 10 IS-65-A20-03 95B066290 NAMUR 63 IS-65-A20-03 95B066290 NAMUR 63 IS-65-A20-51 95B066050 BASIC 10 IS-65-A20-33 95B064770 BASIC 10 IS-65-A2-03 95B066500 BASIC 10 IS-65-A2-03 95B066500 BASIC 10 IS-65-A2-03 95B066500 BASIC 10 IS-65-A2-03 95B064500 BASIC 10 IS-65-B2-03 95B064500 BASIC 10 IS-65-B2-03 95B064500 BASIC 11 IS-65-B2-03 95B064750 BASIC 11 IS-65-B2-03 95B064750 BASIC 11 IS-65-B2-03 95B064790 BASIC 11 IS-65-B2-03 95B064700 BASIC 11 IS-65-B2-03 95B06470 BASIC 10 IS-65-C2-03 95B06490 BASIC 11 IS-65-D2-03 95B06490 BASIC 12	IS-04-A3-03	95B061001	STAINLESS STEEL	34		
S-05-A20-03 95B065410 NAMUR 62 IS-05-A3-03 95B061021 BASIC 35 IS-05-A3-51 95B061021 BASIC 35 IS-05-A3-51 95B065420 BASIC 35 IS-05-E3-03 95B065420 BASIC 35 IS-05-E3-03 95B065400 BASIC 35 IS-05-E3-03 95B065400 BASIC 10 IS-65-A1-03 95B065400 BASIC 10 IS-65-A20-03 95B066290 NAMUR 63 IS-65-A20-51 95B066310 NAMUR 63 IS-65-A20-51 95B066310 NAMUR 63 IS-65-A20-51 95B066310 BASIC 10 IS-65-A3-03 95B064770 BASIC 10 IS-65-A3-51 95B06690 BASIC 10 IS-65-B3-51 95B06690 BASIC 10 IS-65-B4-51 95B06690 BASIC 10 IS-65-B4-51 95B06690 BASIC 10 IS-65-B3-51 95B06690 BASIC 11 IS-65-B1-03 95B06470 BASIC 11 IS-65-B1-03 95B06470 BASIC 11 IS-65-B2-03 95B064790 BASIC 11 IS-65-B2-03 95B064790 BASIC 11 IS-65-B3-51 95B066110 BASIC 11 IS-65-B3-51 95B064990 BASIC 11 IS-65-B3-51 95B064990 BASIC 11 IS-65-B4-03 95B06470 BASIC 11 IS-65-B4-03 95B06490 BASIC 11 IS-65-B4-51 95B066030 BASIC 11 IS-65-B4-51 95B066030 BASIC 11 IS-65-B4-51 95B066030 BASIC 10 IS-65-C2-03 95B066390 BASIC 10 IS-65-C2-03 95B066300 NAMUR 63 IS-65-C2-03 95B066300 NAMUR 63 IS-65-C2-051 95B066210 BASIC 10 IS-65-C2-51 95B066210 BASIC 11 IS-65-D2-51 95B066210 BASIC 11 IS-65-D2-51 95B06620 BASIC 11 IS-65-D2-51 95B06620 BASIC 11 IS-65-D2-51 95B06620 BASIC 11 IS-65-D2-51 95B06620 BASIC 11 IS-65-G2-51 95B066490 BA	IS-05-A1-03	95B061041	BASIC	35		
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IS-65-H2-S1 95B066260 BASIC 13 IS-65-H3-03 95B064820 BASIC 13						
IS-65-H3-03 95B064820 BASIC 13	IS-65-H2-03	95B064940	BASIC	13		
	IS-65-H2-S1	95B066260	BASIC	13		
IS-65-H3-S1 95B066140 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-S1	95B066080	STAINLESS STEEL	36
IS-65-M2-03	95B064800	STAINLESS STEEL	36
IS-65-M2-S1	95B066120	STAINLESS STEEL	36
IS-65-M3-03	95B064680	STAINLESS STEEL	36
IS-65-M3-S1	95B066000	STAINLESS STEEL	36
IS-65-M4-03	95B064720	STAINLESS STEEL	36
IS-65-M4-S1	95B066040	STAINLESS STEEL	36
IS-65-N1-03	95B064920	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

		M8	
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
IS-08-G3-03	95B066330	BASIC	18
IS-08-G3-S1	95B066800	BASIC	18
IS-08-G3-S2	95B066520	BASIC	18
IS-08-G4-03	95B066350	BASIC	18
IS-08-G4-S1	95B063131	BASIC	18
IS-08-G4-S2	95B066550	BASIC	18
IS-08-H1-03	95B066480	BASIC	19
IS-08-H1-S1	95B066960	BASIC	19
IS-08-H1-S2	95B066690	BASIC	19
IS-08-H2-03	95B066500	BASIC	19
IS-08-H2-S1	95B066990	BASIC	19
IS-08-H2-S2	95B063301	BASIC	19
IS-08-H3-03	95B066420	BASIC	19
IS-08-H3-S1	95B066910	BASIC	19
IS-08-H3-S2	95B066640	BASIC	19
IS-08-H4-03	95B066460	BASIC	19
	95B063251		
IS-08-H4-S1		BASIC	19
IS-08-H4-S2	95B063241	BASIC	19
IS-08-M1-03	95B066380	STAINLESS STEEL	38
IS-08-M1-S1	95B066870	STAINLESS STEEL	38
IS-08-M1-S2	95B066600	STAINLESS STEEL	38
IS-08-M2-03	95B066400	STAINLESS STEEL	38
IS-08-M2-S1	95B066900	STAINLESS STEEL	38
IS-08-M2-S2	95B066630	STAINLESS STEEL	38
IS-08-M3-03	95B066340	STAINLESS STEEL	38
IS-08-M3-S1	95B066820	STAINLESS STEEL	38
IS-08-M3-S2	95B066540	STAINLESS STEEL	38
IS-08-M4-03	95B066360	STAINLESS STEEL	38
IS-08-M4-S1	95B066840	STAINLESS STEEL	38
IS-08-M4-S2	95B066570	STAINLESS STEEL	38
IS-08-N1-03	95B066490	STAINLESS STEEL	39
IS-08-N1-S1	95B066980	STAINLESS STEEL	39
IS-08-N1-S2	95B066710	STAINLESS STEEL	39
IS-08-N2-03	95B066510	STAINLESS STEEL	39
IS-08-N2-S1	95B067010	STAINLESS STEEL	39
IS-08-N2-S2	95B066730	STAINLESS STEEL	39
IS-08-N3-03	95B066440	STAINLESS STEEL	39
IS-08-N3-S1	95B066930	STAINLESS STEEL	39
IS-08-N3-S2	95B066660	STAINLESS STEEL	39
IS-08-N4-03	95B066470	STAINLESS STEEL	39
IS-08-N4-S1	95B066950	STAINLESS STEEL	39
IS-08-N4-S2	95B066680	STAINLESS STEEL	39
33 32			23

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SENSOR	Order No.	Category	Pag.
IS-12-A0-03	95B064030	BASIC	20
IS-12-A0-S2	95B064060	BASIC	20
IS-12-A1-03	95B061241	BASIC	20
IS-12-A1-S2	95B061251	BASIC	20
IS-12-A15-03 IS-12-A15-S2	95B060680 95B060690	INDUCTIVE AC INDUCTIVE AC	56 56
IS-12-A15-32	95B060690 95B064160	NAMUR	66
IS-12-A20-03	95B064180	NAMUR	66
IS-12-A2-03	95B061271	BASIC	20
IS-12-A2-S2	95B061281	BASIC	20
IS-12-A3-03	95B061181	BASIC	20
IS-12-A3-S2	95B061191	BASIC	20
IS-12-A4-03	95B061211	BASIC	20
IS-12-A4-S2	95B061221	BASIC	20
IS-12-A9-03	95B064100	BASIC	20
IS-12-A9-S2	95B063931	BASIC	20
IS-12-B0-03	95B064040	BASIC	21
IS-12-B1-03	95B062041	BASIC	21
IS-12-B1-S2	95B062051	BASIC	21
IS-12-B2-03	95B062071	BASIC	21
IS-12-B2-S2	95B062081	BASIC	21
IS-12-B3-03	95B061981	BASIC	21
IS-12-B3-S2	95B061991	BASIC	21
IS-12-B4-03	95B062011	BASIC	21
IS-12-B4-S2	95B062021	BASIC	21
IS-12-C0-S2	95B064080	BASIC	20
IS-12-C1-03	95B061641	BASIC	20
IS-12-C1-S2	95B061651	BASIC	20
IS-12-C20-03	95B064170	NAMUR	66
IS-12-C20-S2	95B064190	NAMUR	66
IS-12-C2-03	95B061671	BASIC	20
IS-12-C2-S2	95B061681	BASIC	20
IS-12-C3-03	95B061581	BASIC	20
IS-12-C3-S2	95B061591	BASIC	20
IS-12-C4-03	95B061611	BASIC	20
IS-12-C4-S2 IS-12-C9-03	95B061621 95B064110	BASIC	20 20
IS-12-C9-03	95B064110 95B064140	BASIC BASIC	20
IS-12-C9-32	95B064140 95B062441	BASIC	21
IS-12-D1-03	95B062451	BASIC	21
IS-12-D2-03	95B062471	BASIC	21
IS-12-D2-S2	95B062481	BASIC	21
IS-12-D3-03	95B062381	BASIC	21
IS-12-D3-S2	95B062391	BASIC	21
IS-12-D4-03	95B062411	BASIC	21
IS-12-D4-S2	95B062421	BASIC	21
IS-12-E1-S2	95B067030	BASIC	22
IS-12-F1-S2	95B067020	BASIC	22
IS-12-G0-03	95B063841	BASIC	23
IS-12-G0-S2	95B064070	BASIC	23
IS-12-G1-03	95B063361	BASIC	23
IS-12-G1-S2	95B063371	BASIC	23
IS-12-G2-03	95B063381	BASIC	23
IS-12-G2-S2	95B063391	BASIC	23
IS-12-G3-03	95B063321	BASIC	23
IS-12-G3-S2	95B063331	BASIC	23
IS-12-G4-03	95B063341	BASIC	23
IS-12-G4-S2	95B063351	BASIC	23
IS-12-G5-03	95B062681	BASIC	23
IS-12-G5-S2	95B062691	BASIC	23
IS-12-G6-03	95B062661	BASIC	23
IS-12-G6-S2	95B062671	BASIC	23

IS-12-G9-03	95B063801	BASIC	23
IS-12-G9-S2	95B064130	BASIC	23
IS-12-H0-03	95B064050	BASIC	23
IS-12-H0-S2	95B064090	BASIC	23
IS-12-H1-03	95B063441	BASIC	23
IS-12-H1-S2	95B063451	BASIC	23
IS-12-H2-03	95B063461	BASIC	23
IS-12-H2-S2	95B063471	BASIC	23
IS-12-H3-03	95B063401	BASIC	23
IS-12-H3-S2	95B063411	BASIC	23
IS-12-H4-03	95B063421	BASIC	23
IS-12-H4-S2	95B063431	BASIC	23
IS-12-H5-03	95B062761	BASIC	23
IS-12-H5-S2	95B062771	BASIC	23
IS-12-H6-03	95B062741	BASIC	23
IS-12-H6-S2	95B062751	BASIC	23
IS-12-H9-03	95B064120	BASIC	23
IS-12-H9-S2	95B064150	BASIC	23
IS-12-I1-S2	95B065340	METAL FACE	48
IS-12-L1-S2	95B063871	METAL FACE	48
IS-12-M1-S2	95B060240	STAINLESS STEEL	40
IS-12-M2-S2	95B060250	STAINLESS STEEL	40
IS-12-M3-S2	95B060260	STAINLESS STEEL	40
IS-12-M4-S2	95B060270	STAINLESS STEEL	40
IS-12-N1-S2	95B060280	STAINLESS STEEL	40
IS-12-N2-S2	95B060290	STAINLESS STEEL	40
IS-12-N3-S2	95B060300	STAINLESS STEEL	40
IS-12-N4-S2	95B060310	STAINLESS STEEL	40
IS-12-01-S2	95B060000	STAINLESS STEEL	41
IS-12-02-S2	95B060010	STAINLESS STEEL	41
IS-12-03-S2	95B060020	STAINLESS STEEL	41
IS-12-04-S2	95B060030	STAINLESS STEEL	41
IS-12-P1-S2	95B060040	STAINLESS STEEL	41
IS-12-P2-S2	95B060050	STAINLESS STEEL	41
IS-12-P3-S2	95B060060	STAINLESS STEEL	41
IS-12-P4-S2	95B060070	STAINLESS STEEL	41
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IS-F12-S1-S2	95B065360	WELD FIELD IMMUNE	52
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SENSOR	Order No.	Category	Pag.
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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
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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
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IS-18-F1-S2	95B067040	BASIC	26
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IS-18-G0-S2	95B064270	BASIC	27
IS-18-G1-03	95B063521	BASIC	27
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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
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	95B063811	BASIC	
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IS-18-H0-S2	95B064290	BASIC	27
IS-18-H1-03	95B063601	BASIC	27
IS-18-H1-S2	95B063611	BASIC	27
IS-18-H2-03	95B063621	BASIC	27
IS-18-H2-S2	95B063631	BASIC	27
IS-18-H3-03	95B063561	BASIC	27
IS-18-H3-S2	95B063571	BASIC	27
IS-18-H4-03	95B063581	BASIC	27
IS-18-H4-S2	95B063591	BASIC	27
IS-18-H5-03	95B064220	BASIC	27
IS-18-H5-S2	95B062811	BASIC	27
IS-18-H6-03	95B064210	BASIC	27
IS-18-H6-S2	95B062791	BASIC	27
IS-18-H9-03	95B064320	BASIC	27
IS-18-H9-S2	95B064350	BASIC	27
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IS-18-L1-S2	95B063881	METAL FACE	49
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IS-18-02-S2	95B060090	STAINLESS STEEL	43
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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
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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
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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
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IS-30-A9-03	95B064530	BASIC	28
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IS-30-B1-03	95B062221	BASIC	29
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IS-30-B2-03	95B062241	BASIC	29
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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
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IS-30-C1-S2	95B061831	BASIC	28
IS-30-C20-03	95B064620	NAMUR	68
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IS-30-C2-03	95B061841	BASIC	28
IS-30-C2-S2	95B061851	BASIC	28
IS-30-C3-03	95B061781	BASIC	28
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IS-30-C4-03	95B061801	BASIC	28
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IS-30-C9-03	95B064550	BASIC	28
IS-30-C9-S2	95B064590	BASIC	28
IS-30-D1-03	95B062621	BASIC	29
IS-30-D1-S2	95B062631	BASIC	29
IS-30-D2-03	95B062641	BASIC	29
IS-30-D2-S2	95B062651	BASIC	29
IS-30-D3-03	95B062581	BASIC	29
IS-30-D3-S2	95B062591	BASIC	29
IS-30-D4-03	95B062601	BASIC	29
IS-30-D4-S2	95B062611	BASIC	29
IS-30-E1-S2	95B067060	BASIC	31

IS-30-G0-03	95B063861	BASIC	30
IS-30-G0-S2	95B064500	BASIC	30
IS-30-G1-03	95B063681	BASIC	30
IS-30-G1-S2	95B063691	BASIC	30
IS-30-G2-03	95B063701	BASIC	30
IS-30-G2-S2	95B063711	BASIC	30
IS-30-G3-03	95B063641	BASIC	30
IS-30-G3-S2	95B063651	BASIC	30
IS-30-G4-03	95B063661	BASIC	30
IS-30-G4-S2	95B063671	BASIC	30
IS-30-G5-03	95B063821	BASIC	30
IS-30-G5-S2	95B063831	BASIC	30
IS-30-G6-03	95B064400	BASIC	30
IS-30-G6-S2	95B064430	BASIC	30
IS-30-G9-03	95B064540	BASIC	30
IS-30-G9-S2	95B064580	BASIC	30
IS-30-H0-03	95B064480	BASIC	30
IS-30-H0-S2	95B064520	BASIC	30
IS-30-H1-03	95B063761	BASIC	30
IS-30-H1-S2	95B063771	BASIC	30
IS-30-H2-03	95B063781	BASIC	30
IS-30-H2-S2	95B063791	BASIC	30
IS-30-H3-03	95B063721	BASIC	30
IS-30-H3-S2	95B063731	BASIC	30
IS-30-H4-03	95B063741	BASIC	30
IS-30-H4-S2	95B063751	BASIC	30
IS-30-H5-03	95B064420	BASIC	30
IS-30-H5-S2	95B064450	BASIC	30
IS-30-H6-03	95B064410	BASIC	30
IS-30-H6-S2	95B064440	BASIC	30
IS-30-H9-03	95B064560	BASIC	30
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IS-30-04-S2	95B060190	STAINLESS STEEL	45
IS-30-P1-S2	95B060200	STAINLESS STEEL	45
IS-30-P2-S2	95B060210	STAINLESS STEEL	45
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IS-40-W7-S3	95B065250	SQUARE	73
IS-40-W8-S3	95B065260	SQUARE	73
IS-40-X5-S2	95B065320	SQUARE	74
IS-40-X6-S2	95B065310	SQUARE	74
IS-40-Y5-S3	95B065280	SQUARE	72
IS-40-Y6-S3	95B065270	SQUARE	72
IS-40-Y7-S3	95B065290	SQUARE	73
IS-40-Y8-S3	95B065300	SQUARE	73
IS-88-Q1-03	95B060830	SQUARE	75
IS-88-Q1-S1	95B060840	SQUARE	75

























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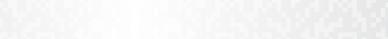
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Rev. 03. 11/2013



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