Ø 18

10÷30 Vdc - 3 WIRES NPN OR PNP OUTPUT





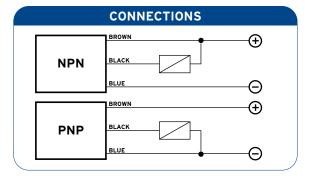
- Short housing models
- Cable or M12 connector models
- Output status LED

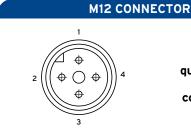


TECHNICAL DATA

	SHIELDED	UNSHIELDED
OPERATING DISTANCE (Sn)	5 mm	8 mm
POWER SUPPLY	10 ÷ 30 Vdc	(-15 / +10%)
RIPPLE	≤1	0%
HYSTERESIS	< 1	0%
OUTPUT CURRENT	200 m	A max.
CONSUMPTION	< 10 mA	@ 24 Vdc
SATURATION VOLTAGE	< 1.8 V (I :	= 100 mA)
INDICATORS	Yello	w LED
SWITCHING FREQUENCY	100	0 Hz
DELAY AT POWER ON	≤ 50) ms
REPEATABILITY	≤:	3%
SHORT CIRCUIT PROTECTION	Present (se	lf-resetting)
PROTECTIONS CIRCUIT	Against polarity reve	ersal - inductive loads
OPERATING TEMPERATURE	- 25 ÷	+60 °C
MECHANICAL PROTECTION	IP	67
CONNECTIONS	2 m cable (3	x 0.25 mm ²)
HOUSING MATERIAL	Nickel-plated brass	
WEIGHT	145 g cab	le version
	95 g M12 cor	nnector cable

⁽⁴⁾ Device marking (II 3D IP67 T6X.



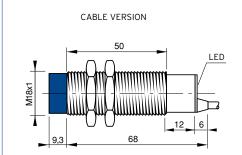


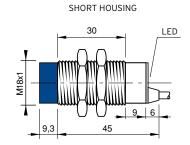
View of quadripole male connector

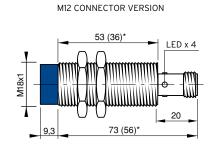
CONFIGURATION

Outputs		PIN nu	ımbers	
Outputs	1	2	3	4
(NO or NC)	+		_	NO/NC

DIMENSIONS (mm)







(*) The dimensions in brackets refer to short housing models **Note:** the front part in blue is valid only for unshielded models













MODEL SELECTION TABLE				
DIAMETER	CONSTRUCTION	OUTPUT	CONNECTION	
04 = 4 mm	A= shielded standard housing	1 = 10-30 Vdc PNP NO	02 = 500 mm CABLE	
05 = 5 mm	B= shielded short housing	2 = 10-30 Vdc PNP NC	03 = 2 m CABLE	
08 = 8 mm	C= unshielded standard housing	3 = 10-30 Vdc NPN NO	S1 = M8 CONN.	
12 = 12 mm	D= unshielded short housing	4 = 10-30 Vdc NPN NC	S2 = M12 CONN.	
18 = 18 mm	E= shielded standard housing, double operating distance	5 = 10-30 Vdc PNP NO-NC		
30 = 30 mm	F= unshielded standard housing, double operating distance	6 = 10-30 Vdc NPN NO-NC		
	G= shielded short housing, double operating distance	7 = 24-230 Vac - 2 wires NO		
	H= unshielded short housing, double operating distance	8 = 24-230 Vac - 2 wires NC		
	I= shielded standard metal housing	9 = 10-30 Vac - 2 wires NO-NC		
	L= unshielded standard metal housing	0 = 12-30 Vac - 4 wires		

		PRODUCT TABLE		
DESCRIPTION	CONNECTION	SHIELDED	HOUSING	ORDER CODE
IS-18-A1-03	2 m CABLE	yes	standard	95B061340
IS-18-A1-S2	M12 CONNECTOR	yes	standard	95B061350
IS-18-A2-03	2 m CABLE	yes	standard	95B061360
IS-18-A2-S2	M12 CONNECTOR	yes	standard	95B061370
IS-18-A3-03	2 m CABLE	yes	standard	95B061300
IS-18-A3-S2	M12 CONNECTOR	yes	standard	95B061310
IS-18-A4-03	2 m CABLE	yes	standard	95B061320
IS-18-A4-S2	M12 CONNECTOR	yes	standard	95B061330
IS-18-B1-03	2 m CABLE	yes	short	95B062140
IS-18-B1-S2	M12 CONNECTOR	yes	short	95B062150
IS-18-B2-03	2 m CABLE	yes	short	95B062160
IS-18-B2-S2	M12 CONNECTOR	yes	short	95B062170
IS-18-B3-03	2 m CABLE	yes	short	95B062100
IS-18-B3-S2	M12 CONNECTOR	yes	short	95B062110
IS-18-B4-03	2 m CABLE	yes	short	95B062120
IS-18-B4-S2	M12 CONNECTOR	yes	short	95B062130
IS-18-C1-03	2 m CABLE	no	standard	95B061740
IS-18-C1-S2	M12 CONNECTOR	no	standard	95B061750
IS-18-C2-03	2 m CABLE	no	standard	95B061760
IS-18-C2-S2	M12 CONNECTOR	no	standard	95B061770
IS-18-C3-03	2 m CABLE	no	standard	95B061700
IS-18-C3-S2	M12 CONNECTOR	no	standard	95B061710
IS-18-C4-03	2 m CABLE	no	standard	95B061720
IS-18-C4-S2	M12 CONNECTOR	no	standard	95B061730
IS-18-D1-03	2 m CABLE	no	short	95B062540
IS-18-D1-S2	M12 CONNECTOR	no	short	95B062550
IS-18-D2-03	2 m CABLE	no	short	95B062560
IS-18-D2-S2	M12 CONNECTOR	no	short	95B062570
IS-18-D3-03	2 m CABLE	no	short	95B062500
IS-18-D3-S2	M12 CONNECTOR	no	short	95B062510
IS-18-D4-03	2 m CABLE	no	short	95B062520
IS-18-D4-S2	M12 CONNECTOR	no	short	95B062530



Ø 18 DOUBLE OPERATING DISTANCE

10÷30 Vdc - 3 WIRES NPN OR PNP OUTPUT

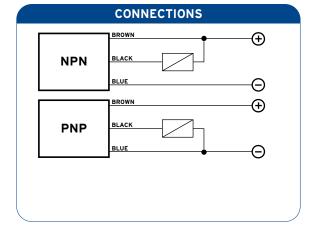
- 8 mm to 14 mm operating distance shielded, unshielded
- Short housing models
- Cable or M12 connector models
- Output status LED



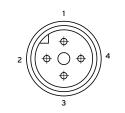


TECHNICAL DATA

	SHIELDED UNSHIE	LDED
OPERATING DISTANCE (Sn)	8 mm 14 m	m
POWER SUPPLY	10 ÷ 30 Vdc (-15 / +10%)
RIPPLE	≤ 10%	
HYSTERESIS	< 10%	
OUTPUT CURRENT	200 mA max.	
CONSUMPTION	< 10 mA @ 24 Vdc	
SATURATION VOLTAGE	< 1.2 V (I = 100 mA)	
INDICATORS	Yellow LED	
SWITCHING FREQUENCY	400 Hz	
DELAY AT POWER ON	≤ 75 ms	
REPEATABILITY	≤3%	
SHORT CIRCUIT PROTECTION	Present (self-resetting)	
PROTECTIONS CIRCUIT	Against polarity reversal - induct	ive loads
OPERATING TEMPERATURE	- 25 ÷ +70 °C	
MECHANICAL PROTECTION	IP67	
CONNECTIONS	2 m cable (3 x 0.25 mm ²)
HOUSING MATERIAL	Nickel-plated brass	
WEIGHT	145 g cable version	
	95 g M12 connector versi	on



M12 CONNECTOR



View of quadripole male connector

LED x 4

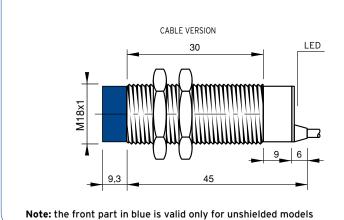
CONFIGURATION

Outputs		PIN nu	ımbers	
Outputs	1 2		3	4
(NO or NC)	+		_	NO/NC

M12 CONNECTOR VERSION

DIMENSIONS (mm)

M18x1



9,3













MODEL SELECTION TABLE				
DIAMETER	CONSTRUCTION	OUTPUT	CONNECTION	
04 = 4 mm	A= shielded standard housing	1 = 10-30 Vdc PNP NO	02 = 500 mm CABLE	
05 = 5 mm	B= shielded short housing	2 = 10-30 Vdc PNP NC	03 = 2 m CABLE	
08 = 8 mm	C= unshielded standard housing	3 = 10-30 Vdc NPN NO	S1 = M8 CONN.	
12 = 12 mm	D= unshielded short housing	4 = 10-30 Vdc NPN NC	S2 = M12 CONN.	
18 = 18 mm	E= shielded standard housing, double operating distance	5 = 10-30 Vdc PNP NO-NC		
30 = 30 mm	F= unshielded standard housing, double operating distance	6 = 10-30 Vdc NPN NO-NC		
	G= shielded short housing, double operating distance	7 = 24-230 Vac - 2 wires NO		
	H= unshielded short housing, double operating distance	8 = 24-230 Vac - 2 wires NC		
	I= shielded standard metal housing	9 = 10-30 Vac - 2 wires NO-NC		
	L= unshielded standard metal housing	0 = 12-30 Vac - 4 wires		

		PRODUCT TAE	BLE	
DESCRIPTION	CONNECTION	SHIELDED	HOUSING	ORDER CODE
IS-18-G1-03	CABLE	yes	short	95B063520
IS-18-G1-S2	M12	yes	short	95B063530
IS-18-G2-03	CABLE	yes	short	95B063540
IS-18-G2-S2	M12	yes	short	95B063550
IS-18-G3-03	CABLE	yes	short	95B063480
IS-18-G3-S2	M12	yes	short	95B063490
IS-18-G4-03	CABLE	yes	short	95B063500
IS-18-G4-S2	M12	yes	short	95B063510
IS-18-H1-03	CABLE	no	short	95B063600
IS-18-H1-S2	M12	no	short	95B063610
IS-18-H2-03	CABLE	no	short	95B063620
IS-18-H2-S2	M12	no	short	95B063630
IS-18-H3-03	CABLE	no	short	95B063560
IS-18-H3-S2	M12	no	short	95B063570
IS-18-H4-03	CABLE	no	short	95B063580
IS-18-H4-S2	M12	no	short	95B063590



95 g M12 connector version

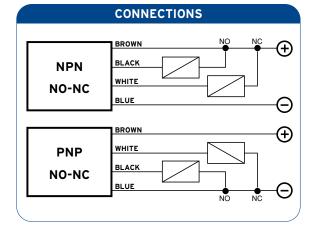
Ø 18 DOUBLE OPERATING DISTANCE 10÷30 Vdc - 4 WIRES NPN OR PNP OUTPUT

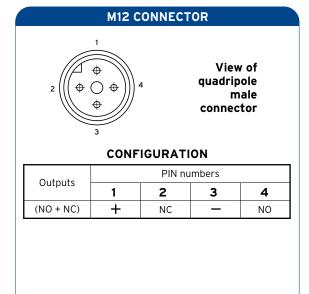


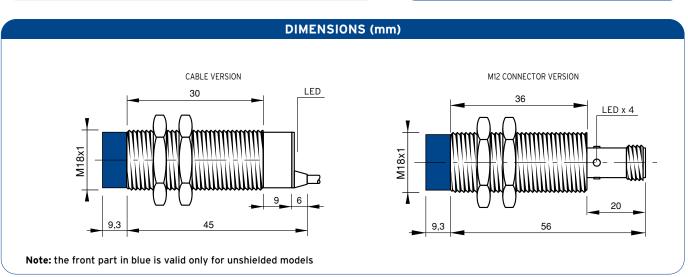
- 8 mm to 14 mm operating distance shielded, unshielded
- Short housing models
- 200mA NPN or PNP
- Output status LED
- Cable or M12 connector models



TECHNICAL DATA SHIELDED UNSHIELDED OPERATING DISTANCE (Sn) 8 mm 14 mm POWER SUPPLY 10 ÷ 30 Vdc (-15 / +10%) RIPPLE ≤ 10% HYSTERESIS < 10% **OUTPUT CURRENT** 200 mA max. CONSUMPTION < 10 mA @ 24 Vdc SATURATION VOLTAGE < 1.2 V (I = 100 mA) INDICATORS Yellow LED SWITCHING FREQUENCY 400 Hz DELAY AT POWER ON ≤ 75 ms REPEATABILITY ≤3% SHORT CIRCUIT PROTECTION Present (self-resetting) PROTECTION CIRCUIT Against polarity reversal - inductive loads OPERATING TEMPERATURE - 25 ÷ +70 °C MECHANICAL PROTECTION IP67 CONNECTIONS 2 m cable (3 x 0.25 mm²) HOUSING MATERIAL Nickel-plated brass WEIGHT 145 g cable version



















MODEL SELECTION TABLE CONSTRUCTION DIAMETER OUTPUT CONNECTION A= shielded standard housing 04 = 4 mm 1 = 10-30 Vdc PNP NO 02 = 500 mm CABLE 05 = 5 mm B= shielded short housing 2 = 10-30 Vdc PNP NC 03 = 2 m CABLE 08 = 8 mmC= unshielded standard housing 3 = 10-30 Vdc NPN NO S1 = M8 CONN. 12 = 12 mm D= unshielded short housing 4 = 10-30 Vdc NPN NC S2 = M12 CONN. 5 = 10-30 Vdc PNP NO-NC 18 = 18 mm E= shielded standard housing, double operating distance 30 = 30 mm F= unshielded standard housing, double operating distance 6 = 10-30 Vdc NPN NO-NC G= shielded short housing, double operating distance 7 = 24-230 Vac - 2 wires NO H= unshielded short housing, double operating distance 8 = 24-230 Vac - 2 wires NC I= shielded standard metal housing 9 = 10-30 Vac - 2 wires NO-NC L= unshielded standard metal housing 0 = 12-30 Vac - 4 wires

PRODUCT TABLE					
DESCRIPTION	CONNECTION	SHIELDED	HOUSING	ORDER CODE	
IS-18-G5-03	2 m CABLE	yes	standard	95B062720	
IS-18-G5-S2	M12 CONNECTOR	yes	standard	95B062730	
IS-18-G6-03	2 m CABLE	yes	standard	95B062700	
IS-18-G6-S2	M12 CONNECTOR	yes	standard	95B062710	
IS-18-H5-03	2 m CABLE	no	standard	95B062800	
IS-18-H5-S2	M12 CONNECTOR	no	standard	95B062810	
IS-18-H6-03	2 m CABLE	no	standard	95B062780	
IS-18-H6-S2	M12 CONNECTOR	no	standard	95B062790	



Ø 18 DOUBLE OPERATING DISTANCE 12÷30 Vdc - 4 WIRES PROGRAMMABLE OUTPUT



- 8 mm to 14 mm operating distance shielded, unshielded
- Programmable outputs: NPN/PNP, NO or NC
- Cable models
- Nickel-plated brass
- Output status LED
- 200 mA max output

12	Sei	ues



TECHNICAL DATA

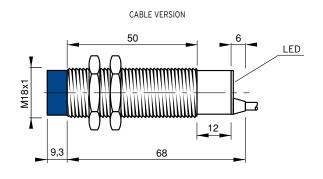
	SHIELDED	UNSHIELDED
OPERATING DISTANCE (Sn)	8 mm	14 mm
POWER SUPPLY	12 ÷ 30 Vdc	(-15/+10%)
RIPPLE	≤1	0%
HYSTERESIS	< 1	0%
OUTPUT	NPN o PNP (m	ay be selected)
CONTACT	NO o NC (ma	y be selected)
OUTPUT CURRENT	200 m	A max.
CONSUMPTION	< 1.2 mA	. @ 24 Vdc
SATURATION VOLTAGE	< 1,8 V (I = 100 mA)	
INDICATORS	Yellow LED	
SWITCHING FREQUENCY	400 Hz	
DELAY AT POWER ON	≤ 50 ms	
REPEATABILITY	≤:	3%
SHORT CIRCUIT PROTECTION	Present (se	lf-resetting)
PROTECTIONS CIRCUIT	Against polarity reve	ersal - inductive loads
OPERATING TEMPERATURE	- 25 ÷	+70 °C
MECHANICAL PROTECTION	IP	67
CONNECTIONS	2 m cable (4	x 0.25 mm ²)
HOUSING MATERIAL	Nickel-pla	ated brass
WEIGHT	145 g cab	le version

Device marking (a) II 3D IP67 T6X.

CONNECTIONS NPN NO BLACK NO Θ (**NPN PNP** WHITE NC BLACK NC

These sensors, thanks to the unpaired output circuit offer 4 output configurations (NPN-NO, NPN-NC, PNP-NO, PNP-NC) on the $\,$ same model.

DIMENSIONS (mm)



Note: the front part in blue is valid only for unshielded models













MODEL SELECTION TABLE					
DIAMETER	CONSTRUCTION	OUTPUT	CONNECTION		
04 = 4 mm	A= shielded standard housing	1 = 10-30 Vdc PNP NO	02 = 500 mm CABLE		
05 = 5 mm	B= shielded short housing	2 = 10-30 Vdc PNP NC	03 = 2 m CABLE		
08 = 8 mm	C= unshielded standard housing	3 = 10-30 Vdc NPN NO	S1 = M8 CONN.		
12 = 12 mm	D= unshielded short housing	4 = 10-30 Vdc NPN NC	S2 = M12 CONN.		
18 = 18 mm	E= shielded standard housing, double operating distance	5 = 10-30 Vdc PNP NO-NC			
30 = 30 mm	F= unshielded standard housing, double operating distance	6 = 10-30 Vdc NPN NO-NC			
	G= shielded short housing, double operating distance	7 = 24-230 Vac - 2 wires NO			
	H= unshielded short housing, double operating distance	8 = 24-230 Vac - 2 wires NC			
	I= shielded standard metal housing	9 = 10-30 Vac - 2 wires NO-NC			
	L= unshielded standard metal housing	0 = 12-30 Vac - 4 wires			

		PRODUCT TAI	BLE	
DESCRIPTION	CONNECTION	SHIELDED	HOUSING	ORDER CODE
IS-18-E0-03	CABLE	yes	standard	95B063850



Ø 18 DOUBLE OPERATING DISTANCE10÷30 Vdc - 2 WIRES NO-NC PROGRAMABLE OUTPUT





- Cable models
- Nickel-plated brass

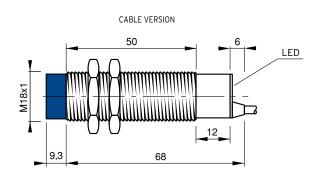


TECHNICAL DATA

	SHIELDED	UNSHIELDED
OPERATING DISTANCE (Sn)	8 mm	14 mm
POWER SUPPLY	10 ÷ 30 Vdc	(-15 / +10%)
RIPPLE	≤1	0%
HYSTERESIS	< 1	0%
OUTPUT CURRENT	100 m	A max.
OUTPUT CURRENT	> 1,6 r	nA min.
INRUSH CURRENT	< 1,6	5 mA
SATURATION VOLTAGE	< 6,5 V (I	= 100 mA)
INDICATORS	Yellow LED	
SWITCHING FREQUENCY	400 Hz	
DELAY AT POWER ON	≤ 50) ms
REPEATABILITY	≤:	3%
SHORT CIRCUIT PROTECTION	Present (se	lf-resetting)
PROTECTIONS CIRCUIT	Against polarity reve	ersal - inductive loads
OPERATING TEMPERATURE	- 25 ÷	+70 °C
MECHANICAL PROTECTION	IP67	
CONNECTIONS	2 m cable (2	x 0.25 mm ²)
HOUSING MATERIAL	Nickel-pla	ated brass
WEIGHT	145 g cab	ole version

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

DIMENSIONS (mm)



Note: the front part in blue is valid only for unshielded models













MODEL SELECTION TABLE						
DIAMETER	CONSTRUCTION	OUTPUT	CONNECTION			
04 = 4 mm	A= shielded standard housing	1 = 10-30 Vdc PNP NO	02 = 500 mm CABLE			
05 = 5 mm	B= shielded short housing	2 = 10-30 Vdc PNP NC	03 = 2 m CABLE			
08 = 8 mm	C= unshielded standard housing	3 = 10-30 Vdc NPN NO	S1 = M8 CONN.			
12 = 12 mm	D= unshielded short housing	4 = 10-30 Vdc NPN NC	S2 = M12 CONN.			
18 = 18 mm	E= shielded standard housing, double operating distance	5 = 10-30 Vdc PNP NO-NC				
30 = 30 mm	F= unshielded standard housing, double operating distance	6 = 10-30 Vdc NPN NO-NC				
	G= shielded short housing, double operating distance	7 = 24-230 Vac - 2 wires NO				
	H= unshielded short housing, double operating distance	8 = 24-230 Vac - 2 wires NC				
	I= shielded standard metal housing	9 = 10-30 Vac - 2 wires NO-NC				
	L= unshielded standard metal housing	0 = 12-30 Vac - 4 wires				

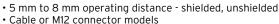
		PRODUCT TAE	BLE		
DESCRIPTION	CONNECTION	SHIELDED	HOUSING	ORDER CODE	
IS-18-E9-03	CABLE	yes	standard	95B063810	



Ø 18

24÷230 Vac - 2 WIRES NO OR NC OUTPUT





- Very low consumption < 0,7 mA
- Inrush current (20ms) 1.5A
- 300mA max output



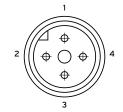
TECHNICAL DATA

	SHIELDED	UNSHIELDED
OPERATING DISTANCE (Sn)	5 mm	8 mm
POWER SUPPLY	24 ÷ 230 Va	c (-15/+10%)
NET FREQUENCY	50 ÷	60 Hz
HYSTERESIS	<1	10%
OUTPUT CURRENT	300 m	A max.
OUTPUT CURRENT	20 m	A min.
INRUSH CURRENT	1,5 A ma	x. (20 ms)
RESIDUAL CURRENT	< 0,	7 mA
SATURATION VOLTAGE	< 5 V (I =	= 100 mA)
INDICATORS	Yello	w LED
SWITCHING FREQUENCY	12	Hz
DELAY AT POWER ON	≤ 30	00 ms
REPEATABILITY	≤	3%
OPERATING TEMPERATURE	-25 ÷	+70 °C
MECHANICAL PROTECTION	IP	67
CONNECTIONS	2 m cable (2	2 x 0.25 mm ²)
HOUSING MATERIAL	Nickel-plated brass	
WEIGHT	145 g cab	ole version
	95 g M12 co	nnector cable

CONNECTIONS BROWN 24 ÷ 230 Vac BLUE ЭN

Warning: Output short circuit are not possible. Wrong supply cable connections can damage the sensor. Therefore sensors whose output status is short-circuited will not be replaced under warranty.

M12 CONNECTOR

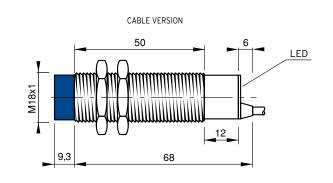


View of quadripole male connector.

CONFIGURATION

Outputs	PIN numbers			
	1	2	3	4
(NO or NC)	L		N	

DIMENSIONS (mm)



53 LED x 4 M18x1 20 9,3 73

M12 CONNECTOR VERSION

Note: the front part in blue is valid only for unshielded models













MODEL SELECTION TABLE CONSTRUCTION DIAMETER OUTPUT CONNECTION A= shielded standard housing 04 = 4 mm 1 = 10-30 Vdc PNP NO 02 = 500 mm CABLE 05 = 5 mm B= shielded short housing 2 = 10-30 Vdc PNP NC 03 = 2 m CABLE 08 = 8 mmC= unshielded standard housing 3 = 10-30 Vdc NPN NO S1 = M8 CONN. 12 = 12 mm D= unshielded short housing 4 = 10-30 Vdc NPN NC S2 = M12 CONN. 5 = 10-30 Vdc PNP NO-NC 18 = 18 mm E= shielded standard housing, double operating distance 30 = 30 mm F= unshielded standard housing, double operating distance 6 = 10-30 Vdc NPN NO-NC G= shielded short housing, double operating distance 7 = 24-230 Vac - 2 wires NO H= unshielded short housing, double operating distance 8 = 24-230 Vac - 2 wires NC I= shielded standard metal housing 9 = 10-30 Vac - 2 wires NO-NC L= unshielded standard metal housing 0 = 12-30 Vac - 4 wires

		PRODUCT TA	BLE	
DESCRIPTION	CONNECTION	SHIELDED	HOUSING	ORDER CODE
IS-18-A7-03	2 m CABLE	yes	standard	95B062860
IS-18-A7-S2	M12 CONNECTOR	yes	standard	95B062870
IS-18-A8-03	2 m CABLE	yes	standard	95B062880
IS-18-A8-S2	M12 CONNECTOR	yes	standard	95B062890
IS-18-C7-03	2 m CABLE	no	standard	95B062980
IS-18-C7-S2	M12 CONNECTOR	no	standard	95B062990
IS-18-C8-03	2 m CABLE	no	standard	95B063000
IS-18-C8-S2	M12 CONNECTOR	no	standard	95B063010



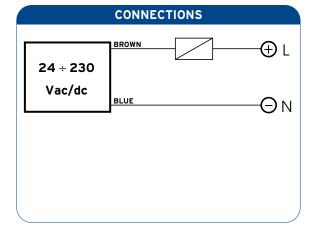
Ø 18 DOUBLE OPERATING DISTANCE 24÷230 Vac/dc - 2 WIRES NO OR NC OUTPUT



- 8 mm to 14 mm operating distance shielded, unshielded
- Short circuit protection AC/DC
- Cable models
- Inrush current (20ms) 2.5A
- 350mA max output



TECHNICAL DATA			
SHIELDED	UNSHIELDED		
8 mm	14 mm		
24 ÷ 230 Vac /	/dc (-15/+10%)		
50 ÷	60 Hz		
<1	10%		
350 m	nA max.		
4 m/	A min.		
2,5 A ma	ıx. (20 ms)		
< 1,5 mA			
< 6 V (I=100 mA)			
Yello	w LED		
12	≀Hz		
≤ 30	00 ms		
Present (mar	nual resetting)		
≤	3%		
-25 ÷	+70 °C		
IP67			
2 m cable (2	2 x 0.25 mm ²)		
Nickel-pl	ated brass		
145 g cal	ole version		
	SHIELDED 8 mm 24 ÷ 230 Vac / 50 ÷ < ' 350 m 4 m/ 2,5 A ma < 1, < 6 V (I= Yello 12 ≤ 30 Present (mar ≤ -25 ÷ IF 2 m cable (2 Nickel-pl		



CABLE VERSION CABLE VERSION TO SERVE THE Front part in blue is valid only for unshielded models













MODEL SELECTION TABLE							
DIAMETER	CONSTRUCTION	OUTPUT	CONNECTION				
04 = 4 mm	A= shielded standard housing	1 = 10-30 Vdc PNP NO	02 = 500 mm CABLE				
05 = 5 mm	B= shielded short housing	2 = 10-30 Vdc PNP NC	03 = 2 m CABLE				
08 = 8 mm	C= unshielded standard housing	3 = 10-30 Vdc NPN NO	S1 = M8 CONN.				
12 = 12 mm	D= unshielded short housing	4 = 10-30 Vdc NPN NC	S2 = M12 CONN.				
18 = 18 mm	E= shielded standard housing, double operating distance	5 = 10-30 Vdc PNP NO-NC					
30 = 30 mm	F= unshielded standard housing, double operating distance	6 = 10-30 Vdc NPN NO-NC					
	G= shielded short housing, double operating distance	7 = 24-230 Vac - 2 wires NO					
	H= unshielded short housing, double operating distance	8 = 24-230 Vac - 2 wires NC					
	I= shielded standard metal housing	9 = 10-30 Vac - 2 wires NO-NC					
	L= unshielded standard metal housing	0 = 12-30 Vac - 4 wires					

		PRODUCT TAE	BLE		
DESCRIPTION	CONNECTION	SHIELDED	HOUSING	ORDER CODE	
IS-18-E7-03	CABLE	yes	standard	95B063900	



Ø 18

10÷30 Vdc - 3 WIRES PNP OUTPUT

- 5 mm to 8 mm operating distance shielded, unshielded
- Stainless steel housing
- Cable or M12 connector models Output status LED

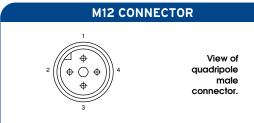




TECHNICAL DATA

SHIELDED	UNSHIELDED
5 mm	8 mm
10 ÷ 30 Vdc	(-15 / +10%)
≤1	0%
<1	5%
200 m	A max.
< 10) mA
< 1.5 V (I = 100 mA)	
Yellow LED	
1000 Hz	500 Hz
≤ ′	1%
Present (sel	f-resetting)
- 25 ÷ -	+70 °C
IPo	67
Stainless steel	
Stainle	ss steel
95 g cabl	e version
	10 ÷ 30 Vdc ≤ 1 < 1 200 m. < 10 < 1.5 V (I= Yellov 1000 Hz Present (sel

CONNECTIONS BROWN \oplus **PNP** Θ



CONFIGURATION

Outputs	PIN numbers			
Oulpuis	1	2	3	4
NO	+		_	NO

DIMENSIONS (mm) SHIELDED UNSHIELDED 50 12 38 LED LED M18x1 M18x1 79 79













MODEL SELECTION TABLE					
DIAMETER	CONSTRUCTION	OUTPUT	CONNECTION		
04 = 4 mm	A= shielded standard housing	1 = 10-30 Vdc PNP NO	02 = 500 mm CABLE		
05 = 5 mm	B= shielded short housing	2 = 10-30 Vdc PNP NC	03 = 2 m CABLE		
08 = 8 mm	C= unshielded standard housing	3 = 10-30 Vdc NPN NO	S1 = M8 CONN.		
12 = 12 mm	D= unshielded short housing	4 = 10-30 Vdc NPN NC S2 = M12 CONN.			
18 = 18 mm	E= shielded standard housing, double operating distance	5 = 10-30 Vdc PNP NO-NC			
30 = 30 mm	F= unshielded standard housing, double operating distance	6 = 10-30 Vdc NPN NO-NC			
	G= shielded short housing, double operating distance	7 = 24-230 Vac - 2 wires NO			
	H= unshielded short housing, double operating distance	8 = 24-230 Vac - 2 wires NC			
	I= shielded standard metal housing	9 = 10-30 Vac - 2 wires NO-NC			
	L= unshielded standard metal housing	0 = 12-30 Vac - 4 wires			

		PRODUCT TABLE				
DESCRIPTION	CONNECTION	SHIELDED	HOUSING	ORDER CODE		
IS-18-L5-S2	M12	no	standard	95B063880		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

IDEC:

| IS-18-A4-S2 | IS-18-A3-03 | IS-18-C7-S2 | IS-18-C8-S2 | IS-18-D4-03 | IS-18-G2-03 | IS-18-G3-03 | IS-18-G6-S2 | IS-18-H5-03 | IS-18-A7-S2 | IS-18-A8-03 | IS-18-C4-O3 | IS-18-C4-S2 | IS-18-A7-O3 | IS-18-C3-O3 | IS-18-C3-S2 | IS-18-E7-O3 | IS-18-E9-O3 | IS-18-H2-O3 | IS-18-H2-S2 | IS-18-H3-O3 | IS-18-A4-O3 | IS-18-B1-S2 | IS-18-A2-O3 | IS-18-B3-O3 | IS-18-D1-O3 | IS-18-A15-O3 | IS-18-A15-S2 | IS-18-M3-S2 | IS-18-E0-O3 | IS-18-G1-O3 | IS-18-H3-S2 | IS-18-A1-O3 | IS-18-B3-S2 | IS-18-D1-O3 | IS-18-D2-O3 | IS-18-D2-S2 | IS-18-G4-O3 | IS-18-G5-O3 | IS-18-H6-O3 | IS-18-L5-S2 | IS-18-B4-S2 | IS-18-C7-O3 | IS-18-G4-S2 | IS-18-G3-S2 | IS-18-H4-S2 | IS-18-H5-S2 | IS-18-A1-S2 | IS-18-B2-O3 | IS-18-G4-S2 | IS-18-B2-O3 | IS-18-B2-O3 | IS-18-C2-S2 | IS-18-H1-O3 | IS-18-A8-S2 | IS-18-C1-O3 | IS-18-G4-S2 | IS-18-D3-O3 | IS-18-D3-O3