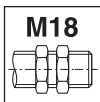
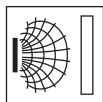


## IS 118 MM/...

## Inductive switches



8mm embedded  
16mm non-embedded

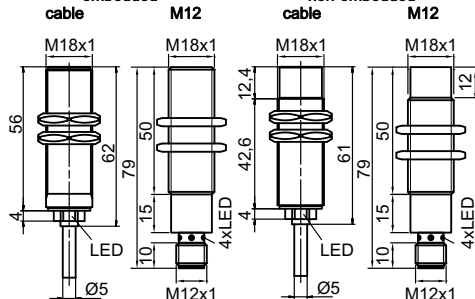


Detailed  
data sheets:

[www.leuze.com](http://www.leuze.com)



### Dimensioned drawing embedded



### Electrical connection

#### cable, 3-wire

10-30V DC +	BR/BN
GND	BL/BU
OUT	SW/BK

#### M12 connector, 4-pole

#### ...NO... (normally open)

10-30V DC +	1	BR/BN
not connected	2	
GND	3	BL/BU
OUT	4	SW/BK

#### ...NC... (normally closed)

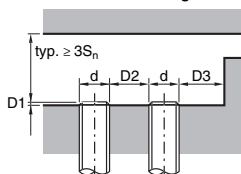
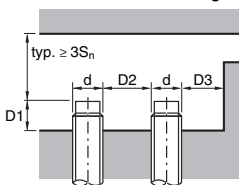
10-30V DC +	1	BR/BN
OUT	2	WS/WH
GND	3	BL/BU
not connected	4	

### Specifications

Operating voltage $U_B$	10 ... 30VDC
Output current $I_L$	≤ 200mA
Switching output/function	see <b>Sensor Types</b>
Switching frequency $f$	see <b>Sensor Types</b>
Yellow LED (visible from 360°)	switching state
Standard target material	Fe360

#### Operate in accordance with intended use!

- ⚠ This product is not a safety sensor and is not intended as personnel protection.
- ⚠ The product may only be put into operation by competent persons.
- ⚠ Only use the product in accordance with the intended use.

**IS 118 MM/...**
**Inductive switches**
**Mounting**
**Embedded Mounting**

**Non-Embedded Mounting**


Tightening torque of the fastening nuts < 20 Nm !

**Sensor Types**

Type	Part No.	RANGE/MOUNTING			ELECTRICAL CONNECTION			OUTPUT			MOUNTING CLEARANCES			Standard Target Size [mm <sup>2</sup> ]		
		Sensing Range $S_n$ [mm]	Embedded	Non-Embedded	Cable 2m	M8, 3-pole	M12, 4-pole	PNP	NPN	Make-Contact (NO)	Break-Contact (NC)	Switching Frequency $f$ [kHz]	D1 [mm]		D2 [mm]	D3 [mm]
IS 118MM/2NO-8E0	50129843	8	*		*				*	*	*	3	2.5	18	18	24 x 24
IS 118MM/2NC-8E0	50129854	8	*		*				*	*	*	3	2.5	18	18	24 x 24
IS 118MM/4NO-8E0	50129856	8	*		*			*	*	*	*	3	2.5	18	18	24 x 24
IS 118MM/4NC-8E0	50129857	8	*		*			*	*	*	*	3	2.5	18	18	24 x 24
IS 118MM/2NO-8E0-M12	50129979	8	*		*	*			*	*	*	3	2.5	18	18	24 x 24
IS 118MM/2NC-8E0-M12	50129980	8	*		*	*			*	*	*	3	2.5	18	18	24 x 24
IS 118MM/4NO-8E0-M12	50129981	8	*		*	*	*		*	*	*	3	2.5	18	18	24 x 24
IS 118MM/4NC-8E0-M12	50129982	8	*		*	*	*	*	*	*	*	3	2.5	18	18	24 x 24
IS 118MM/2NO-16N	50129960	16		*	*				*	*	*	0.5	25	36	18	48 x 48
IS 118MM/2NC-16N	50129961	16		*	*				*	*	*	0.5	25	36	18	48 x 48
IS 118MM/4NO-16N	50129977	16		*	*			*	*	*	*	0.5	25	36	18	48 x 48
IS 118MM/4NC-16N	50129978	16		*	*			*	*	*	*	0.5	25	36	18	48 x 48
IS 118MM/2NO-16N-M12	50129983	16		*	*	*		*	*	*	*	0.5	25	36	18	48 x 48
IS 118MM/2NC-16N-M12	50129984	16		*	*	*		*	*	*	*	0.5	25	36	18	48 x 48
IS 118MM/4NO-16N-M12	50129985	16		*	*	*	*		*	*	*	0.5	25	36	18	48 x 48
IS 118MM/4NC-16N-M12	50129987	16		*	*	*	*	*	*	*	*	0.5	25	36	18	48 x 48