

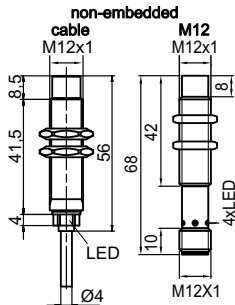
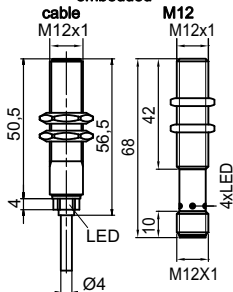
IS 112 MM/...

Inductive switches



4mm embedded
6mm embedded
8mm non-embedded

Dimensioned drawing embedded



Electrical connection

cable, 3-wire

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

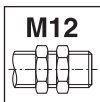
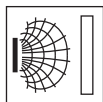
M12 connector, 4-pole

...NO... (normally open)

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

...NC... (normally closed)

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



Detailed
data sheets:

www.leuze.com

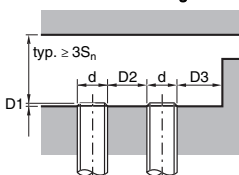
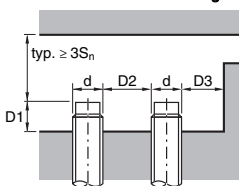
Specifications

Operating voltage U_B	10 ... 30VDC
Output current I_L	≤ 200 mA
Switching output/function	see Sensor Types
Switching frequency f	see Sensor Types
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 112 MM/...
Inductive switches
Mounting
Embedded Mounting

Non-Embedded Mounting


Tightening torque of the fastening nuts < 10 Nm !

Sensor Types

Type	Part No.	RANGE/MOUNTING		ELECTRICAL CONNECTION			OUTPUT			MOUNTING CLEARANCES			Standard Target Size [mm ²]			
		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 112MM/2NO-4E0	50129864	4	*	*				*	*	*		3	1	12	12	12 x 12
IS 112MM/2NO-4E0-PUR	50134444	4	*	*				*	*	*		3	1	12	12	12 x 12
IS 112MM/2NC-4E0	50129865	4	*	*				*	*	*		3	1	12	12	12 x 12
IS 112MM/4NO-4E0	50129866	4	*	*				*	*	*		3	1	12	12	12 x 12
IS 112MM/4NO-4E0-PUR	50134443	4	*	*				*	*	*		3	1	12	12	12 x 12
IS 112MM/4NC-4E0	50129867	4	*	*				*	*	*		3	1	12	12	12 x 12
IS 112MM/2NO-4E0-M12	50129876	4	*	*				*	*	*		3	1	12	12	12 x 12
IS 112MM/2NC-4E0-M12	50129877	4	*	*				*	*	*		3	1	12	12	12 x 12
IS 112MM/4NO-4E0-M12	50129878	4	*	*				*	*	*		3	1	12	12	12 x 12
IS 112MM/4NC-4E0-M12	50129879	4	*	*				*	*	*		3	1	12	12	12 x 12
IS 112MM/2NO-6E0	50129868	6	*	*				*	*	*		0.8	2.5	12	12	18 x 18
IS 112MM/2NC-6E0	50129869	6	*	*				*	*	*		0.8	2.5	12	12	18 x 18
IS 112MM/4NO-6E0	50129870	6	*	*				*	*	*		0.8	2.5	12	12	18 x 18
IS 112MM/4NC-6E0	50129871	6	*	*				*	*	*		0.8	2.5	12	12	18 x 18
IS 112MM/2NO-6E0-M12	50129880	6	*	*				*	*	*		0.8	2.5	12	12	18 x 18
IS 112MM/2NC-6E0-M12	50129881	6	*	*				*	*	*		0.8	2.5	12	12	18 x 18
IS 112MM/4NO-6E0-M12	50129882	6	*	*				*	*	*		0.8	2.5	12	12	18 x 18
IS 112MM/4NC-6E0-M12	50129883	6	*	*				*	*	*		0.8	2.5	12	12	18 x 18
IS 112MM/2NO-8N0	50129872	8	*	*				*	*	*		0.5	12	24	12	24 x 24
IS 112MM/2NC-8N0	50129873	8	*	*				*	*	*		0.5	12	24	12	24 x 24
IS 112MM/4NO-8N0	50129874	8	*	*				*	*	*		0.5	12	24	12	24 x 24
IS 112MM/4NC-8N0	50129875	8	*	*				*	*	*		0.5	12	24	12	24 x 24
IS 112MM/2NO-8N0-M12	50129884	8	*	*				*	*	*		0.5	12	24	12	24 x 24
IS 112MM/2NC-8N0-M12	50129885	8	*	*				*	*	*		0.5	12	24	12	24 x 24
IS 112MM/4NO-8N0-M12	50129886	8	*	*				*	*	*		0.5	12	24	12	24 x 24
IS 112MM/4NC-8N0-M12	50129887	8	*	*				*	*	*		0.5	12	24	12	24 x 24