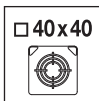
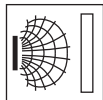


IS 144 PP/...

Inductive switches



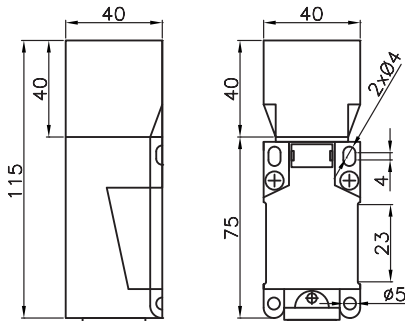
20mm embedded
40mm non-embedded



Detailed
data sheets:
www.leuze.com



Dimensioned drawing



Electrical connection

screw terminals, 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	$\leq 200\text{mA}$
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!

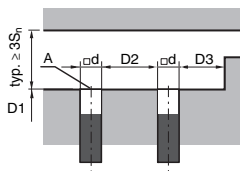
- ⚠ This product is not a safety sensor and is not intended as personnel protection.
- ⚠ The product may only be put into operation by competent persons.
- ⚠ Only use the product in accordance with the intended use.

IS 144 PP/...

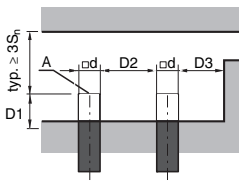
Inductive switches

Mounting

Embedded Mounting



Non-Embedded Mounting



A active surface



- Tightening torque of the
- fastening screws:
< 1.8 Nm !
 - screw terminals:
< 1.0 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	Screw Terminals	M12, 4-pole	PNP	NPN	Make- Contact (NO)	Break- Contact (NC)	Switching Frequency f [kHz]	D1 [mm]	D2 [mm]		D3 [mm]
IS 144PP/2NO-20E-TB.4	50130012	20	•			•			•	•		0.3	4	80	40	60 x 60
IS 144PP/2NC-20E-TB.4	50130013	20	•			•			•		•	0.3	4	80	40	60 x 60
IS 144PP/4NO-20E-TB.4	50130014	20	•			•		•		•		0.3	4	80	40	60 x 60
IS 144PP/4NC-20E-TB.4	50130015	20	•			•		•			•	0.3	4	80	40	60 x 60
IS 144PP/2NO-40N-TB.4	50130016	40		•		•			•	•		0.1	40	160	80	120 x 120
IS 144PP/2NC-40N-TB.4	50130017	40		•		•			•		•	0.1	40	160	80	120 x 120
IS 144PP/4NO-40N-TB.4	50130018	40		•		•		•		•		0.1	40	160	80	120 x 120
IS 144PP/4NC-40N-TB.4	50130019	40		•		•		•			•	0.1	40	160	80	120 x 120