

features

- Compact dimensions: 10 x 28 x 16 mm
- Supply voltage 10...30 Vdc, output current 300 mA
- LED status indicator
- IP 67 housing protection
- Complete protection against electrical damages



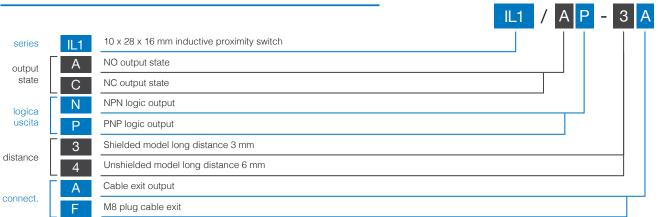
web contents



- Application notes
- Photos
- Catalogue / Manuals



code description



available models

dimension (mm)	installation	distance	plug	distance (mm)	NPN/NO	NPN/NC	PNP/NO	PNP/NC
10 x 28 x16	shielded	long distance	cable	3	IL1/AN-3A	IL1/CN-3A	IL1/AP-3A	IL1/CP-3A
			M8		IL1/AN-3F	IL1/CN-3F	IL1/AP-3F	IL1/CP-3F
	unshielded		cable	6	IL1/AN-4A	IL1/CN-4A	IL1/AP-4A	IL1/CP-4A
			M8		IL1/AN-4F	L1/CN-4F	IL1/AP-4F	IL1/CP-4F



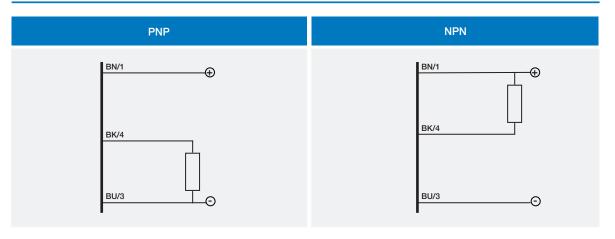
	IL1/**-3*	IL1/**-4*				
nominal sensing distance Sn	3 mm	6 mm				
hysteresis	0 2.4 mm	0 4.8 mm				
operating distance	120	% Sr				
standard target	12x12 mm	18x18 mm				
repeatibility	≤ 5	5%				
operating voltage	1030 Vdc					
output type	NPN or PNP - NO or NC					
max ripple content	≤ 10%					
output current	≤ 300 mA					
output voltage drop	≤ 1.5 V @ 100 mA					
max. output cacacity	1μF					
no-load supply current	≤ 10 mA					
leakage current	≤ 0.12 mA					
switching frequency	≤ 3 kHz					
power on delay	≤ 100 ms					
ambient temperature range	-25+70 °C					
temperature drift of Sr	≤ 10%					
short-circuit protection	•					
voltage reversal protection	•					
induction protection	•					
shocks and vibration	IEC 60947-5-2					
weight	7 g con 63 g c					
protection degree	IP 67					
EMC	in conformity with the EMC Directive according to IEC 60947-5-2					
active head material	PA					
connection	2 m cable 3x0.25 mm²					

correction factors

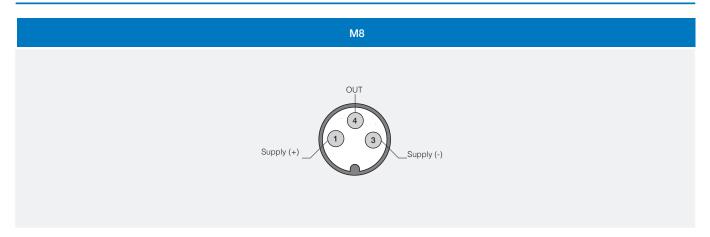
steel FE 360		copper		alluminium		brass		stainless steel	
IL1/**-3*	IL1/**-4*	IL1/**-3*	IL1/**-4*	IL1/**-3*	IL1/**-4*	IL1/**-3*	IL1/**-4*	IL1/**-3*	IL1/**-4*
1.0	1.0	0.25	0.41	0.28	0.50	0.37	0.55	0.63	0.75

BN brown

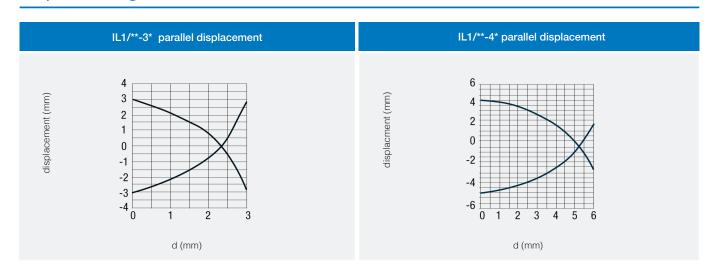
WH white



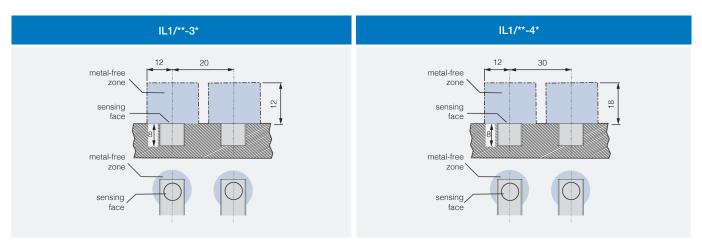
plug



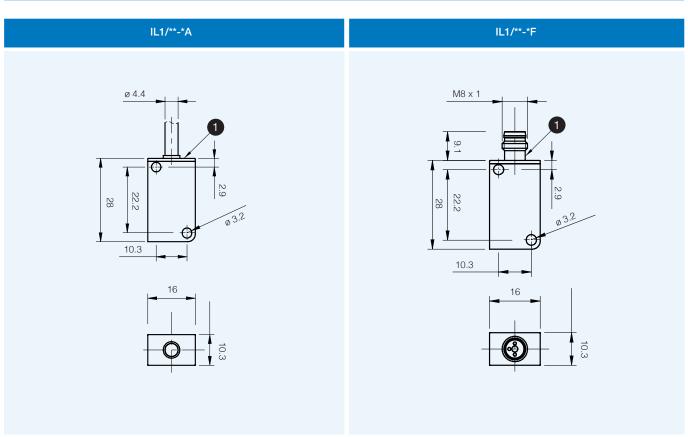
response diagram







dimensions (mm)



1 LED