



PP1 series

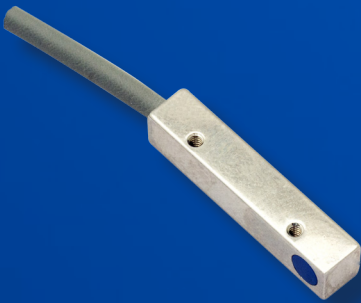
5 x 5 mm cubic
miniaturized inductive sensors



5 x 5 mm cubic
miniaturized

features

- Extremely reduced dimensions: 5 x 5 x 25 mm length
- Supply voltage 10...30 Vdc, output current 200 mA
- Led status indicator
- IP 67 housing protection
- Complete protection against electrical damages



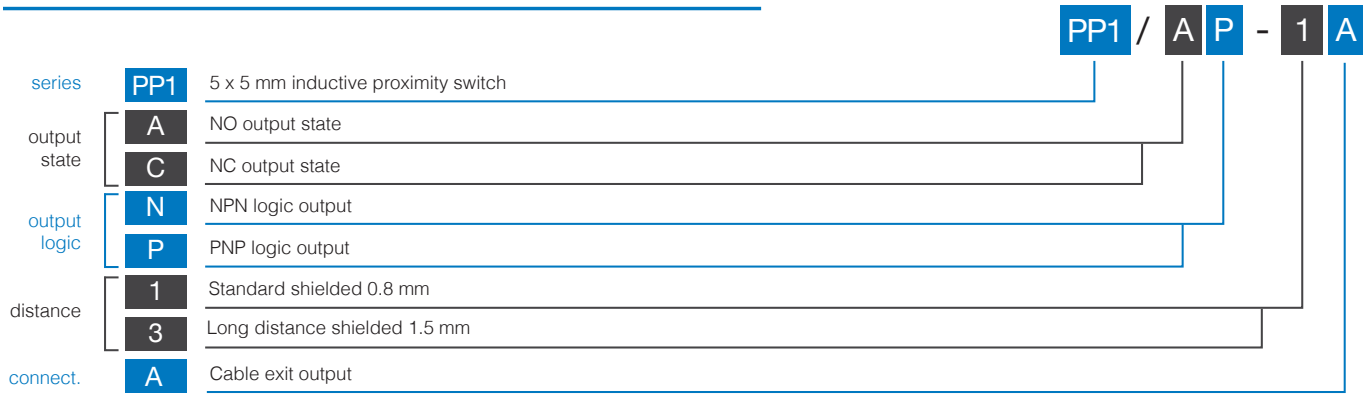
web contents



- Application notes
- Photos
- Catalogue / Manuals



code description



available models

dimensioni (mm)	installation	distance	plug	distance (mm)	NPN/NO	NPN/NC	PNP/NO	PNP/NC
5 X 5 X 25	shielded	standard	cable	0.8 mm	PP1/AN-1A	-	PP1/AP-1A	-
		long distance		1.5 mm	-	-	PP1/AP-3A	-



5 x 5 mm cubic
miniaturized

technical specification

	PP1/**-1*	PP1/**-3*
		
nominal sensing distance	0.8 mm	1.5 mm
hysteresis	≤ 10% Sr	
standard target	5 x 5 x 1 mm	
repeatability	2%	
operating voltage	10...30 Vdc	
output type	NPN or PNP - NO or NC	
max ripple content	≤ 20%	
output current	≤ 200 mA	
output voltage drop	≤ 2.0 V @ 100 mA	
no-load supply current	≤ 10 mA	
leakage current	≤ 0.1 mA	
switching frequency	≤ 5,000 Hz	≤ 3,000 Hz
power on delay	10 ms	
ambient temperature range	-25...+70 °C	
temperature drift of Sr	≤ 10%	
short-circuit protection	●	
voltage reversal protection	●	
induction protection	●	
shocks and vibrations	IEC 60947-5-2 / 7.4	
weight	23 g	
protection degree	IP 67	
protezione EMC: IEC 60255-5	1 kV	
IEC 61000-4-2	level 2	level 3
IEC 61000-4-3	level 3	
IEC 61000-4-4	level 2	level 3
housing material	stainless steel V2A	
active head material	polyester	
connection	2 m PUR cable	

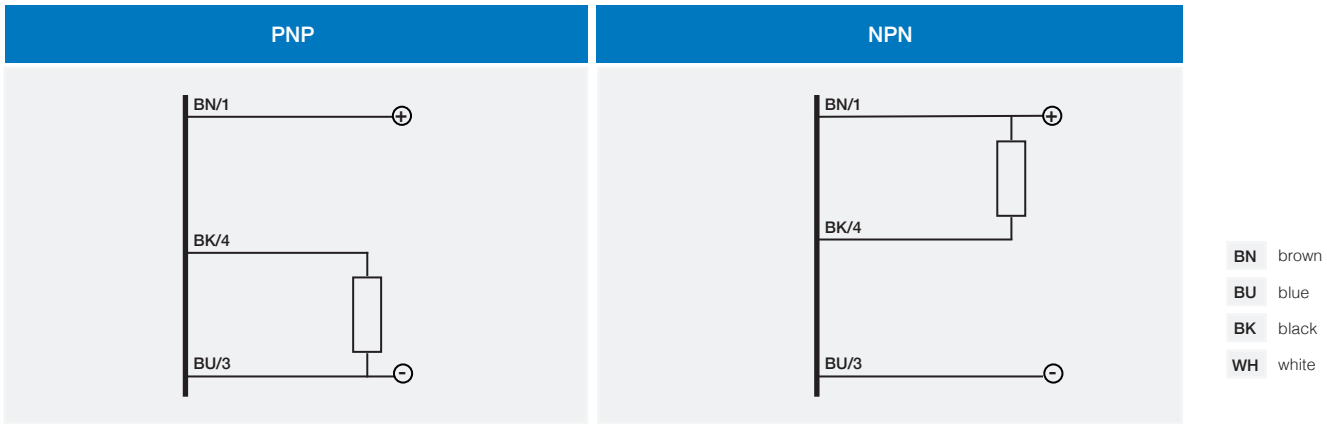
correction factors

steel FE 360		copper		alluminium		brass		stainless steel	
PP1/**-1A	PP1/**-3A	PP1/**-1A	PP1/**-3A	PP1/**-1A	PP1/**-3A	PP1/**-1A	PP1/**-3A	PP1/**-1A	PP1/**-3A
1.0	1.0	0.60	0.60	0.60	0.60	0.70	0.70	0.85	0.85

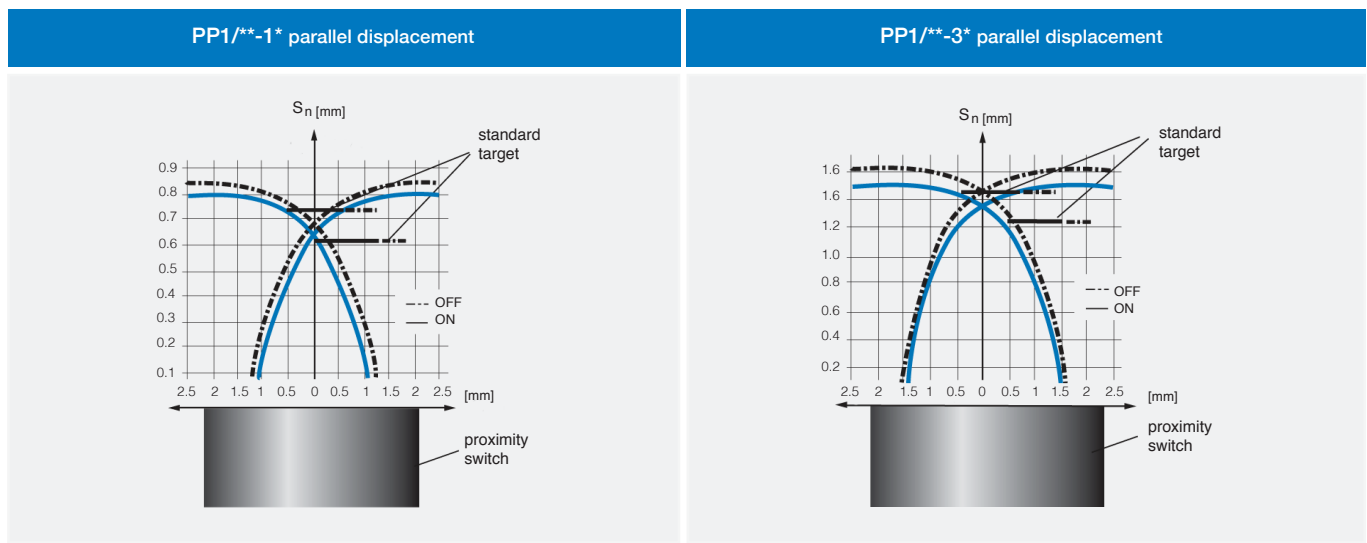


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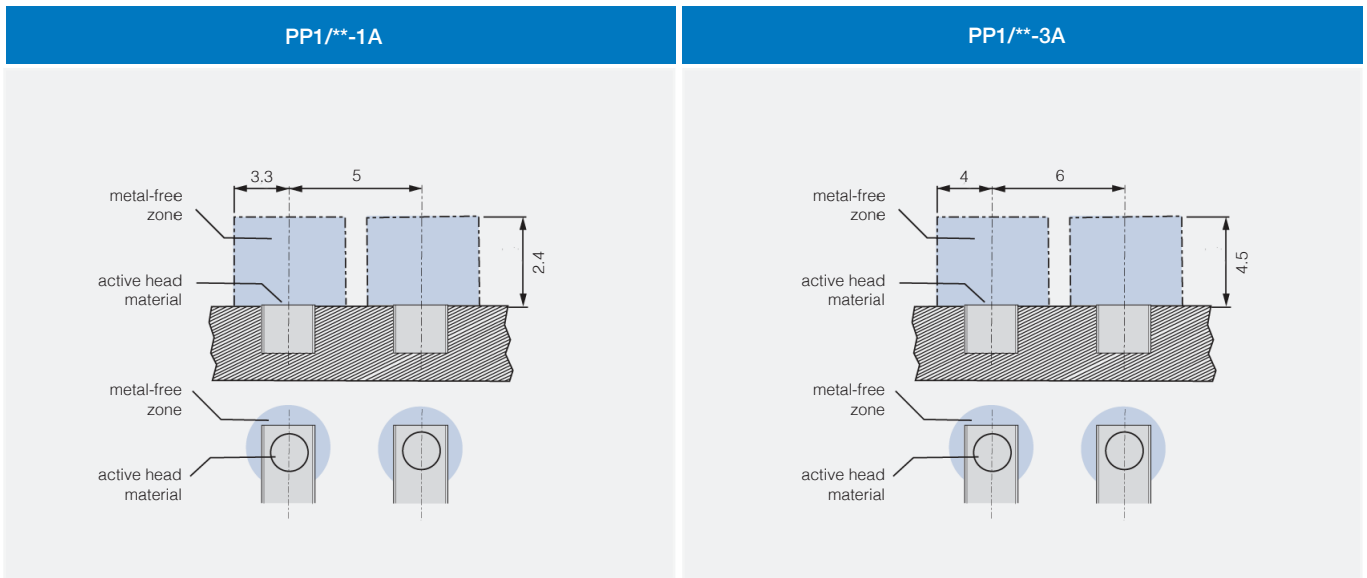
electrical diagrams of connections



response diagram



installation

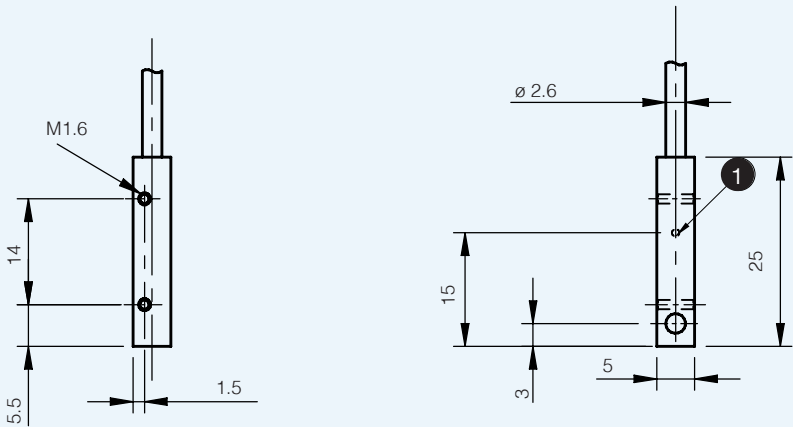




5 x 5 mm cubic
miniaturized

dimensions (mm)

PP1/**-*A



1 LED