

features

- Extremely reduced models
- Operating voltage: 10...30 Vcc
- Output current: 100 mA
- **LED** output indicator
- Totally protected against electrical damages
- Cable and M8 plug output
- Stainless steel housing

web contents



- **Application notes**
- Photos
- Catalogue / Manuals





code description (*)



(*) ATEX models available, contact our Sales Dept. for further information.

available models

model	installation	sensing	plug	distance (mm)	PNP/NO	NPN/NO	PNP/NC	NPN/NC
M5	shielded	standard	cable	0,8	AD1/AP-1A	AD1/AN-1A	AD1/CP-1A	AD1/CN-1A
					AD6/AP-1A	AD6/AN-1A	AD6/CP-1A	AD6/CN-1A
			M8		AD1/AP-1F	AD1/AN-1F	AD1/CP-1F	AD1/CN-1F
		long distance	cable	1,5	AD1/AP-3A	AD1/AN-3A	AD1/CP-3A	AD1/CN-3A
					AD6/AP-3A	AD6/AN-3A	AD6/CP-3A	AD6/CN-3A
			M8		AD1/AP-3F	AD1/AN-3F	AD1/CP-3F	AD1/CN-3F

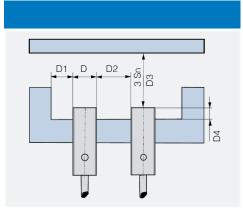


	AD*/**-1*	AD*/**-3*			
		400			
nominal sensing distance Sn	0.8 mm	1.5 mm			
operating distance	00.65 mm	01.21 mm			
hysteresis	12	0%			
standard target	5 x 5 mm				
repeatibility	5% @UB=2030 V; Ta = 23°C ±5°C				
operating voltage	ltage 1030 Vdc				
ripple	≤ 10)%			
output type	NPN or PNP - NO or NC				
output current	≤ 100 mA				
output voltage drop	≤ 1.5 V @ 100mA				
no-load supply current	≤ 10 mA				
leakage current	≤ 10 µA				
switching frequency	5 kHz				
power on delay	≤ 50 ms				
temperature range	-25°C+70°C				
temperature drift	≤ 10%				
power supply protections	polarity reversal				
output protection	short circut (auto reset), overvoltage pulses				
EMC	in conformity with the EMC Directive according to IEC 60947-5-2				
shock and vibration	IEC 60947-5-2				
protection degree	IP67				
housing material	stainless steel AISI 303				
active head material	PBT				
reduction factor	see table				
LEDs	on (yellow LED)				
weight	30 g cable / 4g M8 connector				

correction factors

model	FE 360	copper	aluminium	brass	stainless steel
AD*/**-1*		0.32 ± 10%	0.26 ± 10%	0.35 ± 10%	0.00 . 109/
AD*/**-3*	1	0.33 ± 10%	0.27 ± 10%	0.34 ± 10%	0.66 ± 10%

installation



model	D4 D1		D2	D3	
AD*/**-1*	≥ 0 mm ⁽¹⁾	≥ 5 mm	≥ 5 mm	≥ 2.4 mm	
AD*/**-3*	≥ 1 mm ⁽²⁾	2311111	≥ 10 mm	≥ 4.5 mm	

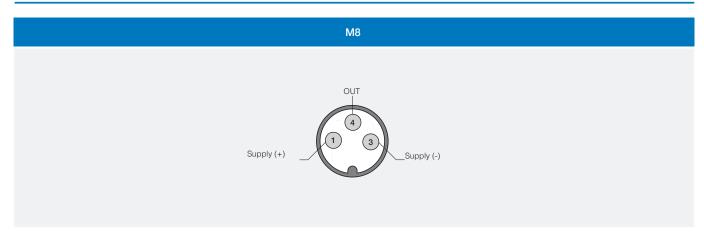
 $^{^{(1)} \}geq 1$ mm without ferro-magnetic material $^{(2)} \geq 2$ mm without ferro-magnetic material

BN brown BU

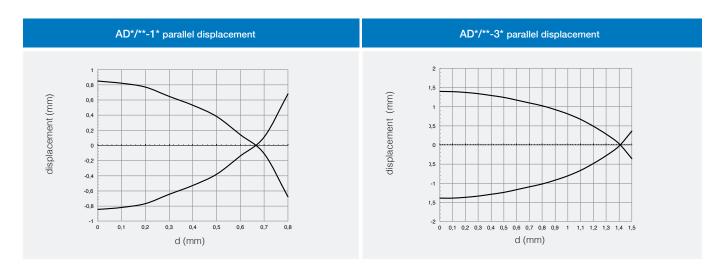
WH white

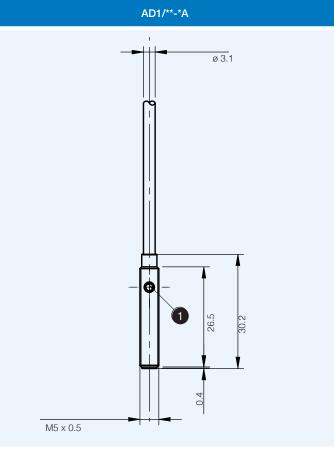
black

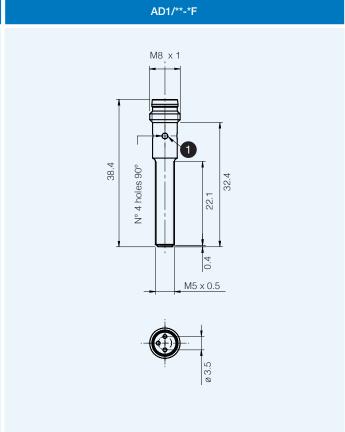
plug



response diagram







1 LED

M5 x 0.5

dimensions (mm)

accessories included in all models

