

features

- Smooth stainless steel housing
- Ø4 mm diameter
- Yellow output LED 360° visible
- Availabe 2 m PVC cable models or M8 connector models
- IP 67 protection degree



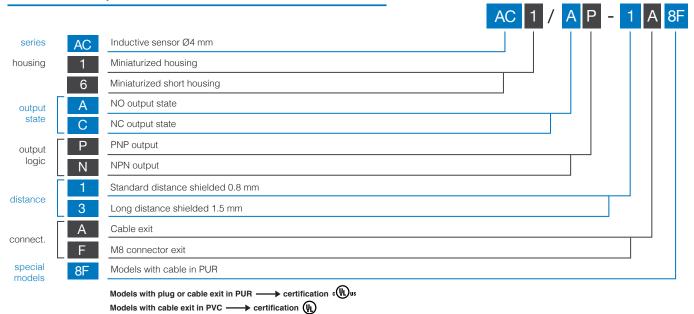
web contents



- Application notes
- Photos
- Catalogue / Manuals



code description(*)



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

available models

diameter	installation	distance	plug	distance (mm)	PNP/NO	NPN/NO	PNP/NC	NPN/NC
Ø 4	shielded	standard	cable	0,8	AC1/AP-1A	AC1/AN-1A	AC1/CP-1A	AC1/CN-1A
					AC6/AP-1A	AC6/AN-1A	AC6/CP-1A	AC6/CN-1A
			M8		AC1/AP-1F	AC1/AN-1F	AC1/CP-1F	AC1/CN-1F
		long distance	cable	1,5	AC1/AP-3A	AC1/AN-3A	AC1/CP-3A	AC1/CN-3A
					AC6/AP-3A	AC6/AN-3A	AC6/CP-3A	AC6/CN-3A
			M8		AC1/AP-3F	AC1/AN-3F	AC1/CP-3F	AC1/CN-3F

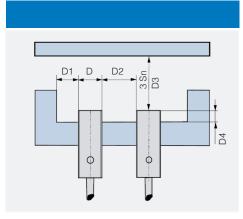


	AC*/**-1*	AC*/**-3*			
nominal sensing distance Sn	0.8 mm	1.5 mm			
working distance	00.65 mm	01.21 mm			
hysteresis	12	0%			
standard target	4 x 4 mm	4.5 x 4.5 mm			
repeatibility	5% @UB=2030 V; Ta = 23°C ±5°C				
operating voltage	1030 Vdc				
output type	NPN or PNP - NO or NC				
ripple	≤ 10%				
output current	≤ 100 mA				
output voltage drop	≤ 1.5 V @ 100 mA				
no-load supply current	≤ 10 mA				
leakage current	≤ 10 µA				
switching frequency	5 kHz				
power on delay	≤ 50	ms			
temperature range	-25+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	nock and vibration IEC 60947-5-2				
protection degree	protection degree IP67				
housing material	stainless steel AISI 303				
active head material	PBT				
reduction factor	see table				
LEDs	on (yellow LED)				
weight	4g M8 connector / 30 g cable				

correction factors

model	FE 360	copper	aluminium	brass	stainless steel
AC1/**-1*		0.28 ± 10%	0.21 ± 10%	0.32 ± 10%	0.63 ± 10%
AC1/**-3*	ı	0.29 ± 10%	0.23 ± 10%	0.31 ± 10%	0.66 ± 10%

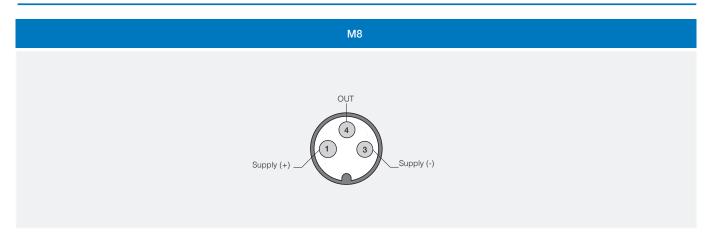
installation



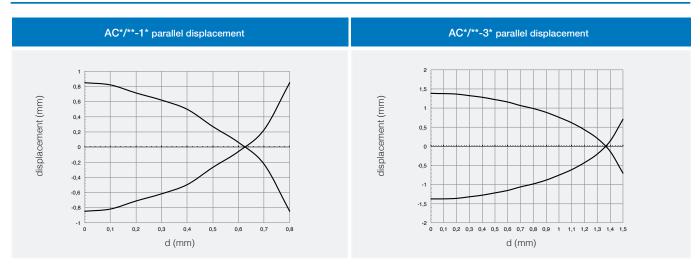
model	D4	D1	D2	D3
AC1/**-1*	≥ 2 mm ⁽¹⁾	≥ 4 mm	≥ 8 mm	≥ 2.4 mm
AC1/**-3*	≥ 3 mm ⁽²⁾	≥ 4 mm	≥ 8 mm	≥ 4.5 mm

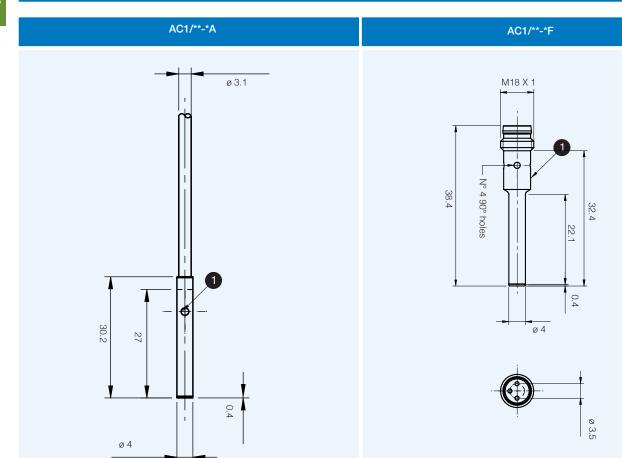
 $^{^{(1)} \}geq 3$ mm without ferro-magnetic material $^{(2)} \geq 4$ mm without ferro-magnetic material

plug



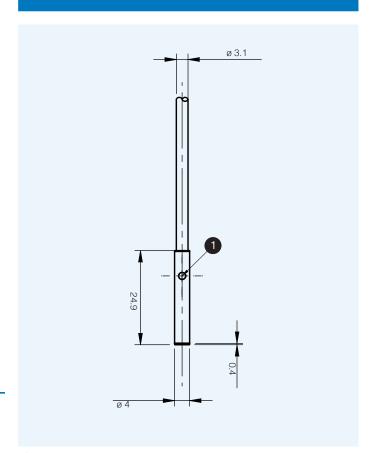
response diagrams





1 LED

AC6/**-*A



AC