

Inductive Proximity Sensors AE6

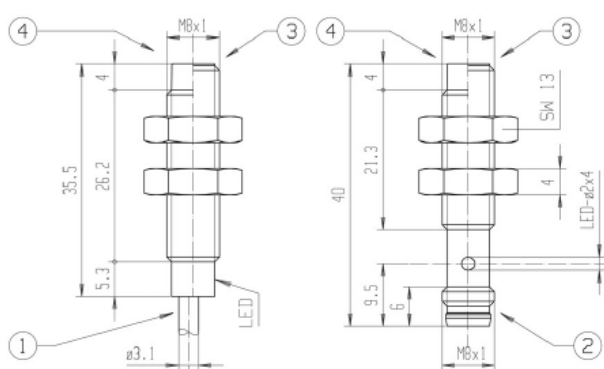
- New models with long distance: up to 2mm shielded; up to 4mm unshielded
- Metal housing
- LED status indicator for all versions (360° visible)
- IP67 protection degree
- Complete protection against electrical damages



Options & Ordering Codes

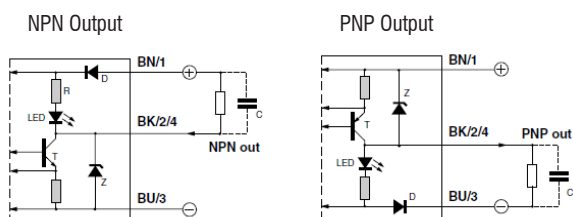
Series		AE	6	/	A	N	-	1	A	Cable Exit	
M8 Inductive Proximity Sensors		AE								A	Axial Cable Exit
Models			6							F	M8 Plug Cable Exit
Short Body											
Output State					A						
NO Normally Open											
NO Normally Open					C						
Sensing Range								1			Shielded 1.5mm
								2			Unshielded 2.5mm
								3			Shielded 2mm
								4			Unshielded 4mm
Logic						N					NPN Output
						P					PNP Output

Dimensions



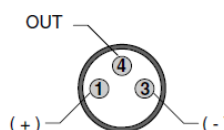
1. Cable exit 3x0.14mm², Ø3.1mm, PVC
2. M8 metal plug cable exit
3. Shielded version
4. Unshielded version

Wiring Diagrams



Connectors

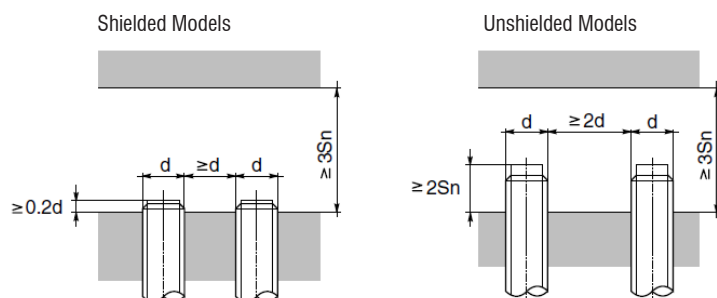
M8 (type F)



Inductive Proximity Sensors AE6

Models	AE6/**-1*	AE6/**-2*	AE6/**-3*	AE6/**-4*
Normal Sensing Distance	1.5mm	2.5mm	2mm	4mm
Operating Distance	0...1.2mm	0...2mm	0...1.6mm	0...3.2mm
Differential Travel	1...20%			
Repeat Accuracy	5%			
Operating Voltage	10-30VDC			
Ripple	≤10%			
No-Load Supply Current	10mA max			
Load Current	200mA			
Leakage Current	≤120μA			
Output Voltage Drop	1..2V			
Output Type	NPN or PNP - NO or NC			
Switching Frequency	3KHz			
Time Delay Before Availability	5 ms			
Max. Admissible Output Capacity	1μF			
Electrical Supply Protection	Polarity reversal, Transient			
Output Electrical Protection	Short Circuit			
Operative Temperature Range	-25 ... +70°C			
Temperature Drift	10% Sr			
Protection Degree	IP67 (EN60529)			
LED Indicators	Yellow (NO Output Energized)			
Housing Material	Nickel-Plated Brass			
Sensing Face Material	PBT			
Tightening Torque	4Nm			
Weight (Approx.)	16-43g			

Installation



Characteristic Curves

