



1.1

SERIE	AE
Inductive proximity sensors M8 - DC	
<ul style="list-style-type: none"> ◆ Extremely reduced housing ◆ Metal housing ◆ Axial cable exit ◆ M8 and M12 plug cable exit ◆ LED status indicator 360° visible ◆ IP67 protection degree ◆ Complete protection against electrical damages 	



DIMENSIONAL DRAWING	
 1	 2
 3	 3
AE1/**-*A	AE1/**-*F
Key	
<ul style="list-style-type: none"> 1 Axial cable exit 2 M8 miniature plug cable exit 3 M12 miniature plug cable exit 4 Cable 3x0,14mm², Ø3,1mm, PVC, 2m 5 LED status indicator (NO output energized) 6 Shielded version 7 Unshielded version <p>Connectors CD serie Accessories ST serie</p>	

ORDERING SYSTEM		
AE1 / AN - 1 A		
serie	AE1	cable exit
miniature inductive proximity sensor	A	axial cable exit
output state	F	M8 miniature plug cable exit
NO output state	H	M12 plug cable exit
NC output state	C	
logic	N	sensing range
NPN output	1	standard shielded 1,5mm
PNP output	2	unshielded 2,5mm

SPECIFICATIONS		
Model	AE1/**-1*	AE1/**-2*
Nominal sensing distance S_n ⁽¹⁾	1,5mm	2,5mm
Operating distance	0...1,2mm	0...2mm
Differential travel		2...10%
Repeat accuracy		2%
Operating voltage		10-30Vdc
Ripple		≤10%
No-load supply current		20mA
Load current		≤200mA
Leakage current		≤10μA
Voltage drop		1,2V max.
Output type		NPN or PNP NO or NC
Switching frequency	3KHz	2,5KHz
Time delay before availability		100ms
Supply electrical protections		polarity reversal, transient
Output electrical protections		short circuit (autoreset)
Temperature range		-25°...+70°C
Temperature drift		10% Sr
Protection degree (DIN 40 050)		IEC IP67
LED indicators		Yellow (NO output energized)
Housing material		nickel-plated brass
Sensing face material		PBT
Tightening torque		4Nm
Weight (approx.)	43g (A type), 16g (F type), 20g (H type)	

(1) with 8x8mm FE360 target.

