



1.1

<b>SERIE</b>	<b>AH</b>
<b>Inductive proximity sensors Ø6,5mm - DC</b>	
<ul style="list-style-type: none"> <li>◆ Extremely reduced housing</li> <li>◆ Metal housing</li> <li>◆ Axial cable exit</li> <li>◆ M8 and M12 plug cable exit</li> <li>◆ LED status indicator 360° visible</li> <li>◆ IP67 protection degree</li> <li>◆ Complete protection against electrical damages</li> </ul>	



DIMENSIONAL DRAWING		
<p>Ø6,5 45 40,2 4 4,8 Ø3,1 4</p>	<p>Ø6,5 50 4 9,5 Ø1,5 6 M8x1</p>	<p>Ø6,5 60 38 4 5 22 15 Ø2 8 M12x1</p>
<p>1</p>	<p>2</p>	<p>3</p>
AH1/**-*A	AH1/**-*F	AH1/**-*H
Key		
<ul style="list-style-type: none"> <li>1 Axial cable exit</li> <li>2 M8 miniature plug cable exit</li> <li>3 M12 miniature plug cable exit</li> <li>4 Cable 3x0,14mm<sup>2</sup>, Ø3,1mm, PVC, 2m</li> <li>5 LED status indicator (NO output energized)</li> <li>6 Shielded version</li> <li>7 Unshielded version</li> </ul> <p>Connectors <b>CD</b> serie Accessories <b>ST</b> serie</p>		

ORDERING SYSTEM	
<b>A H 1 / A N - 1 A</b>	
serie	AH1
miniature inductive proximity sensor	AH1
output state	A
NO output state	A
NC output state	C
logic	N
NPN output	N
PNP output	P
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SPECIFICATIONS		
Model	AH1/**-1*	AH1/**-2*
Nominal sensing distance $S_n$ <sup>(1)</sup>	1,5mm <sup>(2)</sup>	2,5mm
Operating distance	0...1,2mm	0...2mm
Differential travel		2...10%
Repeat accuracy		2%
<b>Operating voltage</b>		10-30Vdc
Ripple		≤10%
No-load supply current		20mA
<b>Load current</b>		≤200mA
Leakage current		≤10μA
Voltage drop		1,2V max.
<b>Output type</b>		NPN or PNP NO or NC
Switching frequency	3KHz	2,5KHz
Time delay before availability		100ms
<b>Supply electrical protections</b>		polarity reversal, transient
<b>Output electrical protections</b>		short circuit (autoreset)
<b>Temperature range</b>		-25°...+70°C
Temperature drift		10% Sr
<b>Protection degree (DIN 40 050)</b>		IEC IP67
LED indicators		Yellow (NO output energized)
<b>Housing material</b>		stainless steel
Sensing face material		PBT
Tightening torque		-
Weight (approx.)	35g (A type), 7g (F type), 10g (H type)	

(1) with 6,5x6,5 mm FE360 target; (2) using shielded sensors in conductor materials, there is a sensibility loss.

