

Image:

AM

AM6/AP-3C8F

Ind.M12,PNP-NO,Cable 90°,Sch-LD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	4mm
Operanting distance	0...3,2mm
Standard target	12x12mm FE360
Correction Factor	copper: 0,33 / aluminium: 0,4 / brass: 0,5 / stainless steel: 1,05
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Application

Description	M12 short case flush mount
Functions	Proximity

Outputs

Output type	PNP
-------------	-----

Output Function	NO
Switching frequency	2kHz
Electrical data	
Operating Voltage	10...30Vdc
No-Load supply current	≤ 10mA
Load current	≤ 200mA
Leakage current	≤ 10μA
Output voltage drop	≤ 1,8V @200mA
Max ripple content	≤ 10%
LED indicators	Yellow LED output state
Time delay before availability	≤ 50ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Protection against inductive loads	Yes
Mechanical data	
Mounting	Shielded
Material	Nickel-plated brass

Housing material	Nickel-plated brass
Connections	2m PUR Cable - 90° Output
Active Head Material	PBT
Tightening torque	10Nm
Diameter/Dimension	M12

Test/Approvals

Approvals	CE UR
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Accessories

Supplied Accessories	2 nuts M12x1
----------------------	--------------

Generical Data

Dimensions	M12 x 1 / L = 39,8mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

Datasensing S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

**date of
printing**
09/08/2026
23:27:56

