



PFM

PFM1/BP-3HAN

Ind.M12,PNP-NO+NC,M12 Plug,Sch-LD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	4mm
Operanting distance	0...3,24mm
Standard target	12x12mm FE360
Correction Factor	copper: 0,30 / aluminium: 0,35 / brass: 0,40 / stainless steel: 0,75
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Application

Description	M12 standard flush mount
Functions	Proximity

Outputs

Output type	PNP
Output Function	NO + NC
Switching frequency	2kHz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	$\leq 15\text{mA}$
Load current	$\leq 200\text{mA}$
Leakage current	$\leq 15\mu\text{A}$
Output voltage drop	$\leq 2\text{V @}200\text{mA}$
Max ripple content	$\leq 10\%$
LED indicators	Yellow LED output state
Time delay before availability	$\leq 50\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Protection against inductive loads	Yes

Mechanical data

Mounting	Shielded
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Material	AISI316L Stainless Steel
Housing material	AISI316L Stainless Steel
Weight	30g
Connections	M12 Plug
Active Head Material	PPS
Tightening torque	25Nm
Diameter/Dimension	M12

Test/Approvals

Approvals	CE cULus ECOLAB DIVERSEY II 3G Ex nA IIC T5 Gc II 3D Ex tc IIIB T85°C Dc
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
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Generical Data

Dimensions	M12 x 1 / L = 64,6mm
Operating Temperature	-40°C...+80°C (up to 100°C for short exposure during cleaning process)
Mechanical Protection	IP67

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**date of
printing**
10/08/2026
02:52:14