



PMS-PKS/PMW-PKW

PMS/0P-2HAN

Ind.M12,PNP-NO+NC,M12 Plug,Nsch-STD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	4mm
Operanting distance	0...3,24mm
Standard target	12x12mm FE360
Correction Factor	copper: 0,41 / aluminium: 0,47 / brass: 0,56 / stainless steel: 1,15
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Application

Description	M12 standard no-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	$\leq 100\text{mA}$
Leakage current	$\leq 10\mu\text{A}$
Output voltage drop	$\leq 2\text{V @}100\text{mA}$
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

Mechanical data

Mounting	Unshielded
Material	Nickel-plated brass

Housing material	Nickel-plated brass
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Connections	M12 Plug
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Active Head Material	PPS
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Tightening torque	10Nm
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Diameter/Dimension	M12
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Test/Approvals

Approvals	CE II 3G Ex nA IIC T6 Gc II 3D Ex tc IIIB T85°C Dc
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EMC compatibility	IEC 60947-5-2
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Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
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Accessories

Supplied Accessories	2 nuts M12x1
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Generical Data

Dimensions	M12 x 1 / L =64,6mm
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Operating Temperature	-25°C...+70°C
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Mechanical Protection	IP67
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