



QMRS

QMRS/0P-0APT

Photo.Min,PNP-NO/NC,Cable,BGS
MINIATURIZED PHOTOELECTRIC SENSORS WITH HIGH
PERFORMANCE

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	200mm
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	Trimmer
Minimum sensing distance (blind zone)	30mm

Application

Function Principle	Blackground suppression
Notes	white target Kodak 90% 200 x 200mm
Optic position	Radial 90°

Outputs

Output type	PNP L/D Selectable
Output Function	L/D Selectable
Switching frequency	1kHz
Response time	500μs

Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 30mA
Load current	≤100mA
Leakage current	≤10μA
Output voltage drop	≤2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Yellow (status output)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Red (630nm)
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Housing material	PA66
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Connections	2m PVC cable
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Active Head Material	PMMA
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Tightening torque	1Nm
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Storage temperature	- 30°C...+ 80° C (Without freeze)
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Diameter/Dimension	Cubic
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Test/Approvals

Approvals	CE cULus
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EMC compatibility	EN 60947-5-2
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Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
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Generical Data

Dimensions	31,2x21x13mm
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Operating Temperature	- 25°C...+ 70°C (Without freeze)
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Mechanical Protection	IP67
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