



QM

QMRN/0P-0FPT

Photo.Min,PNP-NO/NC,M8,Reflex

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	5m
Thermal drift of Sr	$\leq 10\%$ Sr
Repeat Accuracy	5%
Sensitivity adjustment	Trimmer

Application

Function Principle	Polarized
Notes	On RL110 reflector
Optic position	Radial 90°

Outputs

Output type	PNP L/D Selectable
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Output Function	L/D Selectable
Switching frequency	2kHz
Response time	250 μ s

Electrical data

Operating Voltage	10...30VDC
No-Load supply current	\leq 30mA
Load current	\leq 100mA
Leakage current	\leq 10 μ A
Output voltage drop	\leq 2V@Iload=100mA
Max ripple content	\leq 10%
LED indicators	Yellow (status output), green (stability)
Time delay before availability	\leq 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	M8 plug 4pin
Active Head Material	PMMA
Tightening torque	1Nm
Storage temperature	- 30°C...+ 80° C (Without freeze)
Diameter/Dimension	Cubic

Test/Approvals

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

Generical Data

Dimensions	40,6x21x13mm
Operating Temperature	- 25°C...+ 70°C (Without freeze)
Mechanical Protection	IP67

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