



QM

QMRG/0P-0AVE80

Photo.Min,PNP-NO/NC,Pigtail M12,Reflex

## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	1,5m
Thermal drift of Sr	$\leq 10\%$ Sr
Repeat Accuracy	5%
Sensitivity adjustment	Trimmer
Minimum sensing distance (blind zone)	0,05m

### Application

Function Principle	Transparent objects
Notes	On RL110 reflector
Optic position	Radial 90°

### Outputs

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

#### Electrical data

Operating Voltage	10...30VDC
No-Load supply current	$\leq 30$ mA
Load current	$\leq 100$ mA
Leakage current	$\leq 10$ $\mu$ A
Output voltage drop	$\leq 2$ V@Iload=100mA
Max ripple content	$\leq 10$ %
LED indicators	Yellow (status output)
Time delay before availability	$\leq 200$ ms
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
Connections	200mm PVC cable + M12 plug
Active Head Material	PMMA
Tightening torque	1Nm
Storage temperature	- 30°C...+ 80° C (Without freeze)
Diameter/Dimension	Cubic

## Test/Approvals

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

## Generical Data

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

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**date of  
printing**  
13/06/2026  
11:45:23

