

QM

QMRG/0P-0AVE80

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

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	1,5m
Thermal drift of Sr	≤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	250μs

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
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

Datasensing S.r.l.
Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

date of printing
24/11/2026
05:03:31