



QMRS

QMIS/0N-0F28

Photo.Min, NPN-NO/NC, M8, BGS

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	400mm
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	NPN 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 Infrared (850nm)
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Housing material

PA66

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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