



QMR7/0P-0F



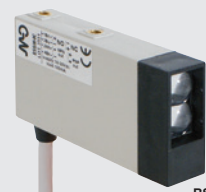
QMRN/0N-0F



QX3/A0-1A



QXR/A0-1A



BS8/00-0C

Photo switches transmit a beam which is reflected back from a detected object (*diffused*) or from a reflector (*retro-reflective*) or can be used with a separate transmitter and receiver (*through beam*) typically used for longer distance sensing.

- Sensitivity: Adjustable
- Ambient limits: -25 - +70°C
- Supply protection: Polarity reversal, impulse overvoltage, short circuit
- LED indication: Yellow (*output status*) / green (*supply present*)

type	supply voltage	diffused	retro-reflective	polarised retro	through-beam	sensing distance (mm)	PNP	NPN	NO	NC	connector
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QM series cubic sensor IP67 (EN60529) (H)12.8 x (W)21 x (D)31.2 mm

Diffuse reflection		proximity type detection (no transmitter or reflector required)										
QMR7/0N-0F	10 - 30 VDC	•				400		•	•	•	•	M8 plug
QMR7/0P-0F	10 - 30 VDC	•				400	•		•	•	•	M8 plug
QMR8/0N-0F	10 - 30 VDC	•				1 met		•	•	•	•	M8 plug
QMR8/0P-0F	10 - 30 VDC	•				1 met	•		•	•	•	M8 plug
Retro-reflective (polarised)		used together with a reflector										
QMRN/0N-0F	10 - 30 VDC			•		5 met		•	•	•	•	M8 plug
QMRN/0P-0F	10 - 30 VDC			•		5 met	•		•	•	•	M8 plug
Retro-reflective (transparent objects)												
QMRL/0N-0F	10 - 30 VDC		•			4 met		•	•	•	•	M8 plug
QMRL/0P-0F	10 - 30 VDC		•			4 met	•		•	•	•	M8 plug
Through beam (transmitter and receiver kit)												
QMRHD/0N-0F	10 - 30 VDC				•	20 met		•	•	•	•	M8 plug
QMRHD/0P-0F	10 - 30 VDC				•	20 met	•		•	•	•	M8 plug

Cables and M8 connectors (see page K-21)

Mounting accessories for QM sensors

ST 101	metal L vertical mounting bracket for	QM photo switches
ST 102	metal L vertical side mounting bracket for	QM photo switches
ST 103	metal vertical mount with protective cover bracket for	QM photo switches
ST 104	metal horizontal mount with protective cover bracket for	QM photo switches
STQMO	vertical/horizontal diaphragm for	QM photo switches

QX series (rectangular) IP65 (EN60529)

Diffuse reflection		proximity type detection (no transmitter or reflector required)										
QX3/A0-1A	10 - 30 VDC	•				300		•	•	•	•	cable
QX3/C0-1A	10 - 30 VDC	•				300	•		•	•	•	cable
Retro-reflective		used together with a reflector										
QXC/A0-1A	10 - 30 VDC			•		4 met		•	•	•	•	cable
QXC/C0-1A	10 - 30 VDC			•		4 met	•		•	•	•	cable
Through beam (receiver)		requires a transmitter and receiver										
QXR/A0-1A	10 - 30 VDC				•	8 met		•	•	•	•	cable
QXR/C0-1A	10 - 30 VDC				•	8 met	•		•	•	•	cable
		(transmitter)										
QXX/00-1A	10 - 30 VDC				•	8 met		(transmitter)				cable

BS series (rectangular) IP65 (EN60529) (H)37 x (W) 16 x (D) 64/70 mm

- Supply protection: Transient, short circuit
- LED indication: Incorporated
- DECOUT® output: (PNP, NPN, NO + NC on one switch)

Diffuse reflection		proximity type detection (no transmitter or reflector required)										
BS6/00-0C	10 - 30 VDC	•				400		•	•	•	•	cable
BS8/00-0C	10 - 30 VDC	•				1.6 met		•	•	•	•	cable
Retro-reflective		used together with a reflector										
BSC/00-0C	10 - 30 VDC			•		8 met		•	•	•	•	cable

Reflectors for above (see page K-15)