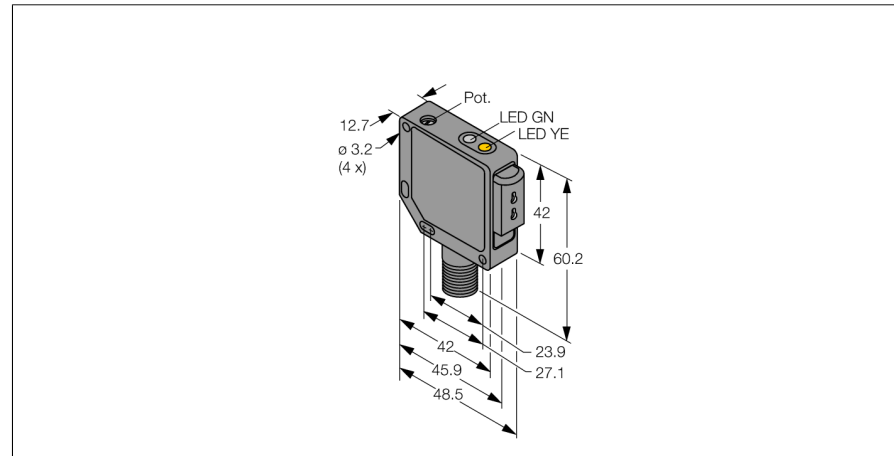
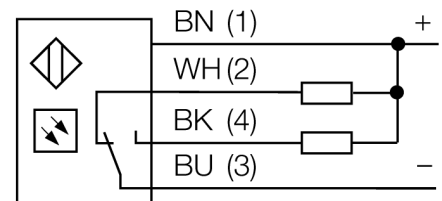


**Photoelectric sensor  
base unit for plastic fibers  
QM42VN6FPQ**



- Male M12 x 1, 4-pin
- Metal housing, ZN, black
- Protection class IP67
- Sensitivity adjusted via potentiometer
- Operating voltage 10...30 VDC
- NPN switching output
- Light/dark operation

**Wiring diagram**



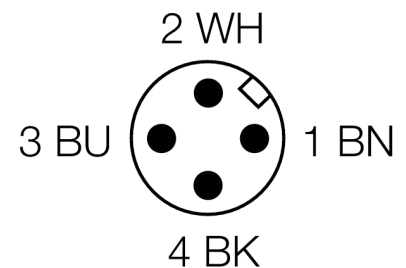
<b>Type code</b>	QM42VN6FPQ
Ident no.	3045788

<b>Operating mode</b>	fibres optic sensor
Light type	red
Wavelength	660 nm
Ambient temperature	-20...+70 °C

<b>Operating voltage</b>	10...30VDC
Residual ripple	< 10 % U <sub>s</sub>
DC rated operational current	≤ 100 mA
No-load current I <sub>0</sub>	≤ 30 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	NO/NC , NPN
Readiness delay	≤ 100 ms
Overcurrent release	> 150 mA

<b>Design</b>	rectangular, QM42
Dimensions	48.5 x 12.7 x 60.2 mm
Housing material	metal, ZN, black lacquer
Connection	male, M12 x 1
Protection class	IP67

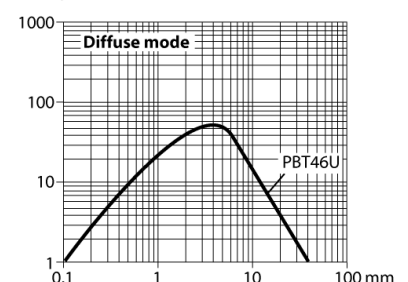
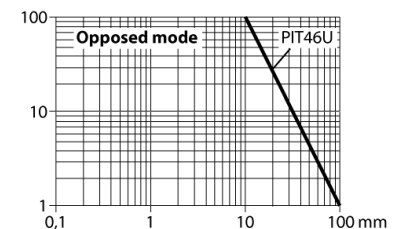
<b>Power-on indication</b>	LED green
Switching state	LED yellow
Error indication	LED green flashing
Alarm display	LED yellow flashing



**Functional principle**

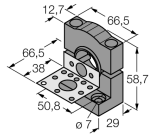
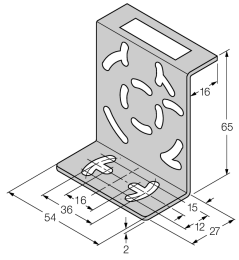
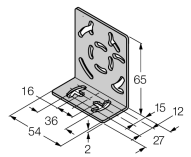
Glass or fibre optic sensors are the optimum choice for high temperature or space restricted applications. Fibre optics transfer the light from the sensor to a remote object. Individual fibre optics are used for opposed mode sensing, whereas bifurcated fibre optics are suited for diffuse mode operation.

**Excess gain curve**

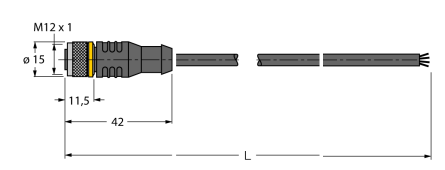


**Photoelectric sensor  
base unit for plastic fibers  
QM42VN6FPQ**

**Accessories**

Type code	Ident no.	Description	Dimension drawing
SMB30SK	3052523	Mounting bracket, PBT black, with mounting plate, stainless steel, for types with 18 mm thread, QM42/QMT42	
SMB46S	3048748	Mounting bracket, stainless steel, for QS18, QS30, MI-NI-BEAM, QM42/QMT42	
SMB46L	3048747	Mounting bracket, stainless steel, for QS18, QS30, MI-NI-BEAM, QM42/QMT42	

**Wiring accessories**

Type code	Ident no.	Description	Dimension drawing
RKC4.4T-2/TEL	6625013	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a>	
WKC4.4T-2/TEL	6625025	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see <a href="http://www.turck.com">www.turck.com</a>	