



QX

QXX/00-1E

Photo.Min,IR emiss.,M12 plug,Emitter
DC MINIATURIZED CUBIC PHOTOELECTRIC SENSORS

OVERVIEW

- Axial and right angle optics
- 2 LEDs (threshold and signal margin)
- Visible red light in retro-reflective, polarized and through-beam models
- Long distances capability
- Precision beam
- Fast response time (0,75-0,5 ms)
- NPN-PNP selectable output
- High output current (>300 mA)



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	8m
Repeat Accuracy	$\leq 5\%$
Sensitivity adjustment	Trimmer

Application

Function Principle	Emitter
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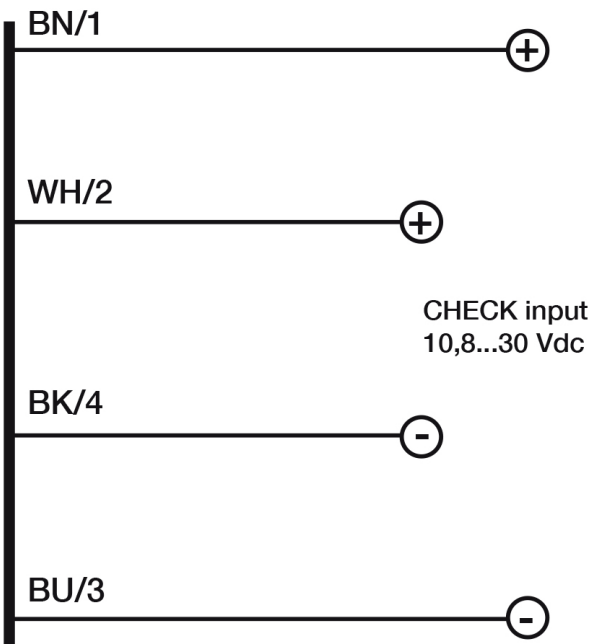
Optic position	Axial
Outputs	
Output type	
Switching frequency	500Hz
Response time	1ms
Electrical data	
Operating Voltage	10...30VDC
No-Load supply current	≤ 20mA
Load current	
Leakage current	
Output voltage drop	≤1,2V@Iload=100mA
Max ripple content	≤10%
LED indicators	Red (check), Green (powerON)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Infrared (880nm)
Interference to external light	3000lux Incandescent Lamp, 10000lux

Mechanical data	
Dimensions	15x23x89
Material	ABS
Housing material	
Weight	70g
Connections	M12 plug
Active Head Material	Acrylic
Operating temperature	- 25°C...+ 70°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 60068-2-28
Degree of protection	IP65
Accessories	
Supplied Accessories	ST70 mounting brakets and screws
Generical Data	
Dimensions	15x23x40

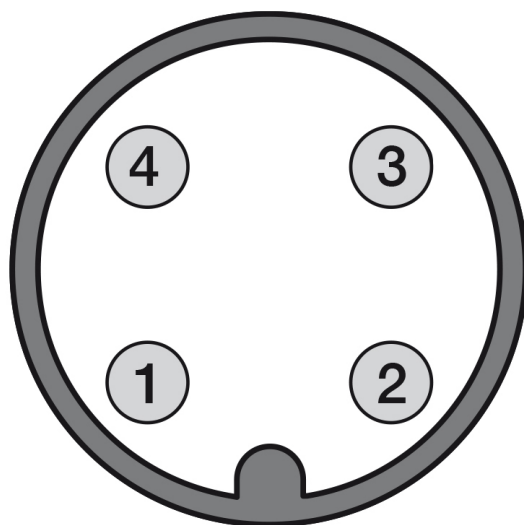
Operating Temperature	- 15°C...+ 55°C (Without freeze)
Mechanical Protection	IP65

CONNECTIONS

Eletrical diagram

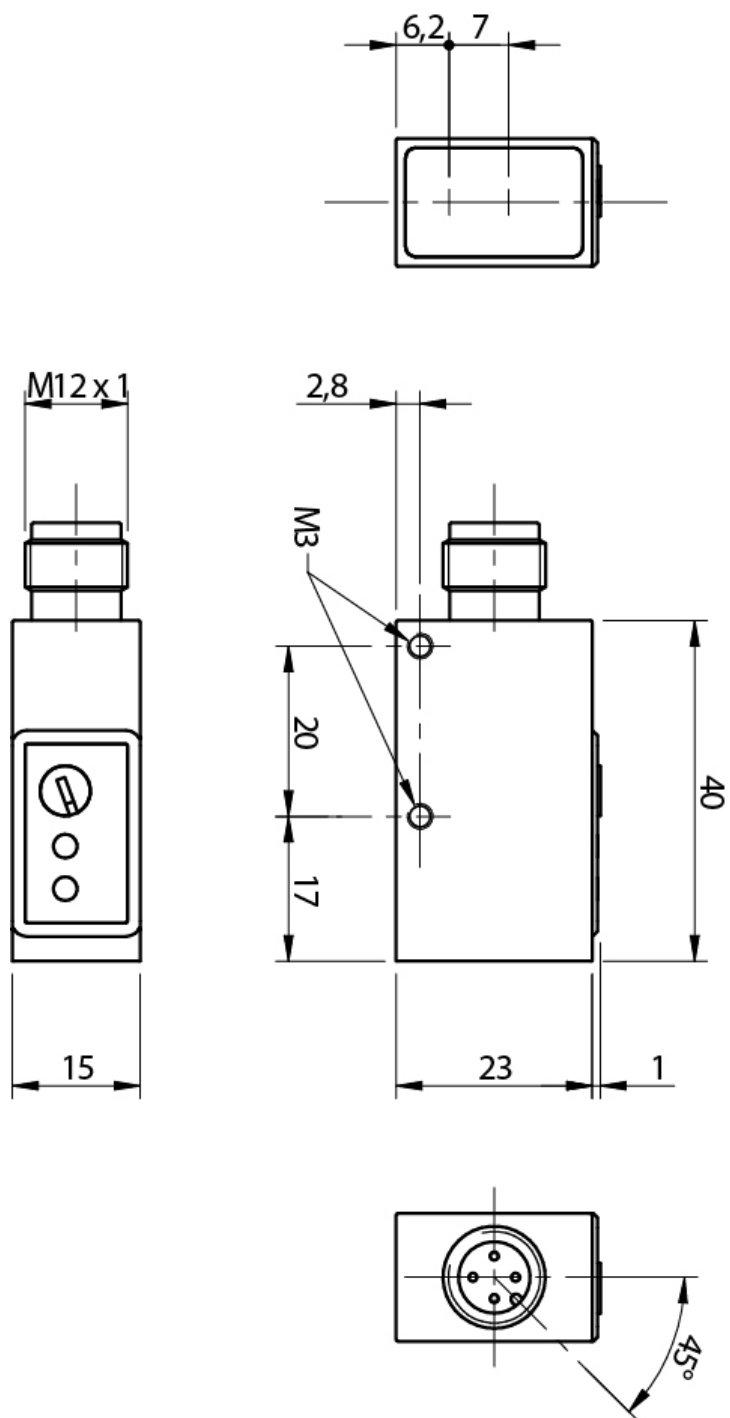


Connector

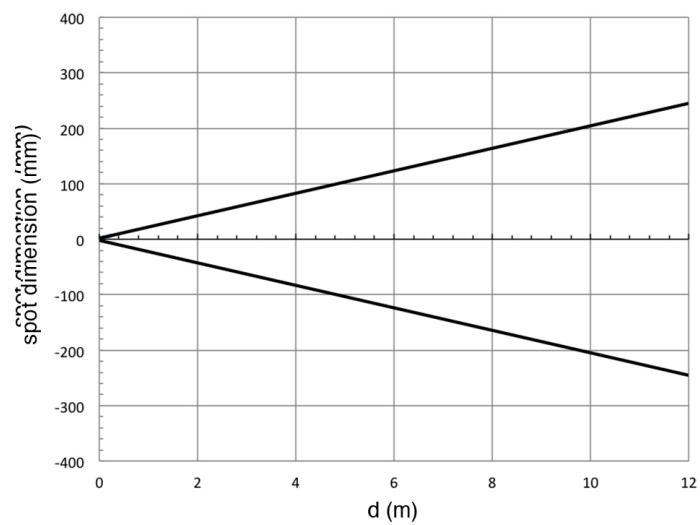


OTHERS

Dimensions



Response curves



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