QX

QXX/00-1F

Photo.Mini,IR emiss.,M8 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	≤ 5%
Sensitivity adjustment	Trimmer

Application

Function Principle	Emitter

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	15x23x90
Material	ABS
Housing material	
Weight	70g
Connections	M8 plug 4pin
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

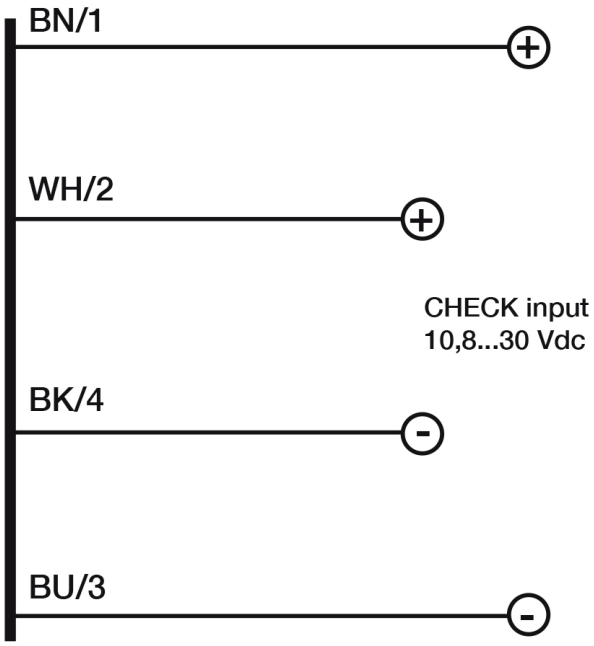
Generical Data

Dimensions	15x23x40

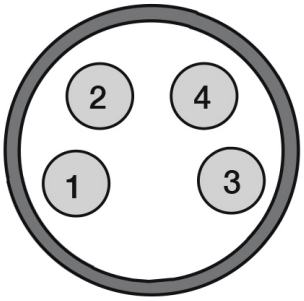
Operating Temperature	- 15°C...+ 55°C (Without freeze)
Mechanical Protection	IP65

CONNECTIONS

Eletrical diagram

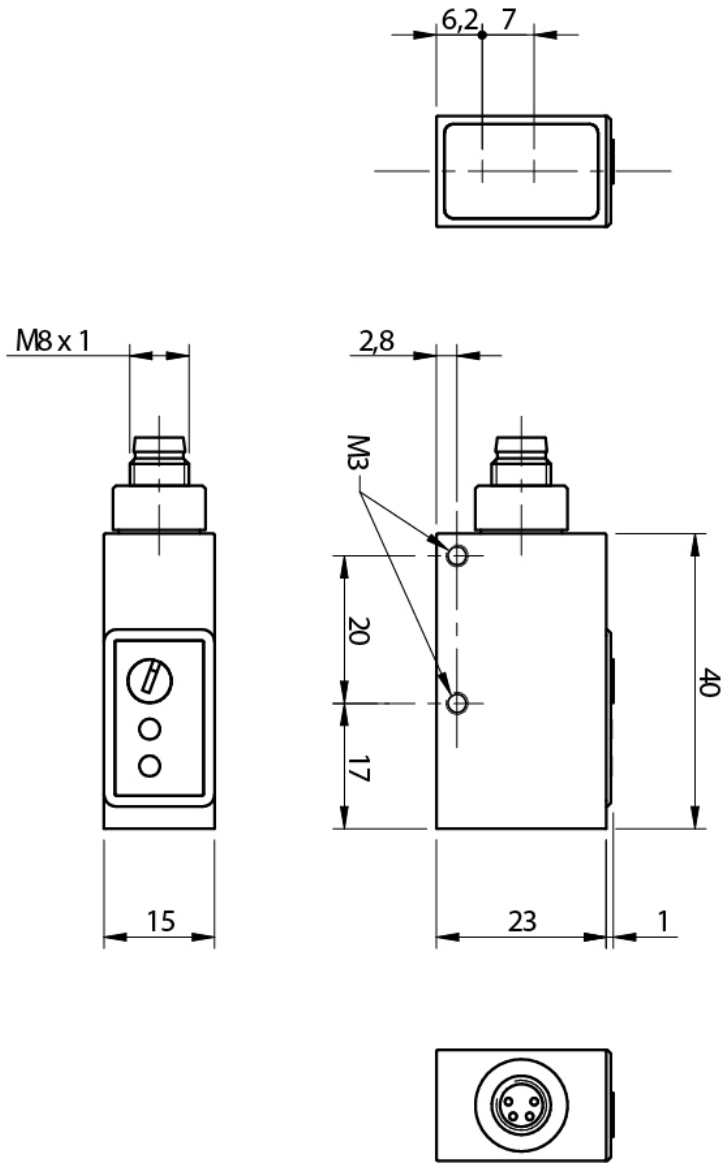


Connector

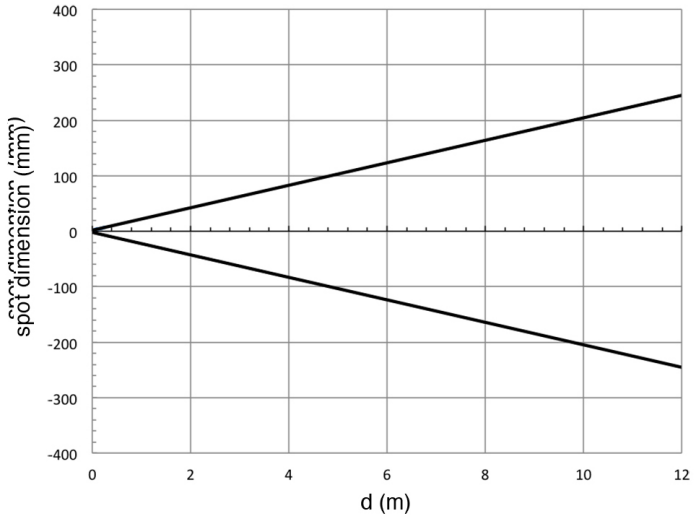


OTHERS

Dimensions



Response curves



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