

CQ55

CQ55/BN-3E

Cap.35x57x15,NPN-NO+NC,M12 plug,Sch/Nsch-LD

15 X 35 X 55 MM CUBIC CAPACITIVE SENSORS

OVERVIEW

- DC supply voltage
- Adjustable sensitivity
- Flat polycarbonate plastic housing

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	4…25mm
Thermal drift of Sr	< 20%
Repeat Accuracy	5%
Sensitivity adjustment	Yes
Hysteresis	≤ 20%

Outputs

Output type	NPN
Output Function	NO + NC
Switching frequency	50Hz

Electrical data

Operating Voltage	10...40Vdc
No-Load supply current	≤ 10mA
Load current	≤200mA
Leakage current	≤ 10μA
Output voltage drop	2,5Vmax @IL=200mA
Max ripple content	≤10%
LED indicators	Yellow LED (object detected)
Time delay before availability	≤100ms
Short-circuit protection	Yes, autoreset
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	55x35x15mm
Mounting	Shielded/Unshielded

Housing material	PC
Weight	65g
Connections	M12 plug
Active Head Material	PC
Operating temperature	-25°C…+80°C (without freeze)
Storage temperature	-40°C…+85°C
Diameter/Dimension	55x35x15mm

Test/Approvals

Approvals	CE cULus
EMC compatibility	IEC 60947-5-2
Degree of protection	IP67

Accessories

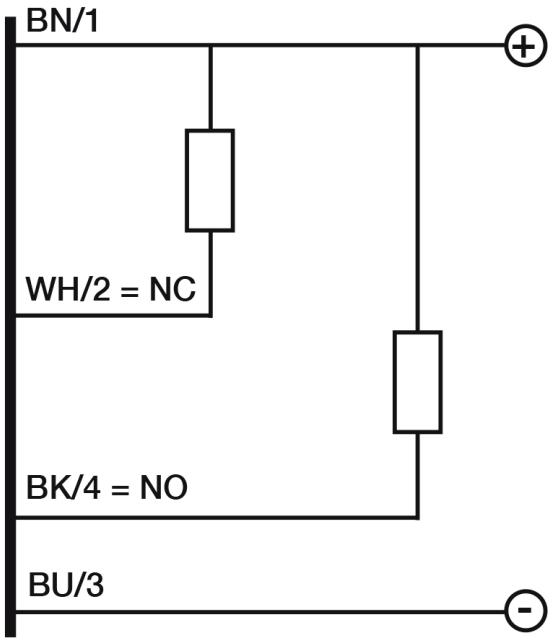
Supplied Accessories	screw driver

Generical Data

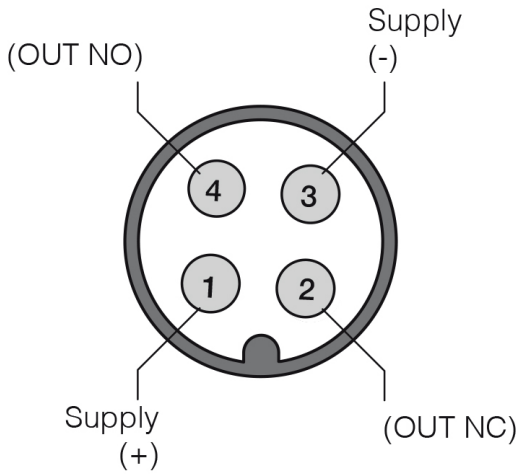
Dimensions	55x35x15mm
Operating Temperature	-25°C…+80°C (without freeze)
Mechanical Protection	IP67

CONNECTIONS

Eletrical diagram

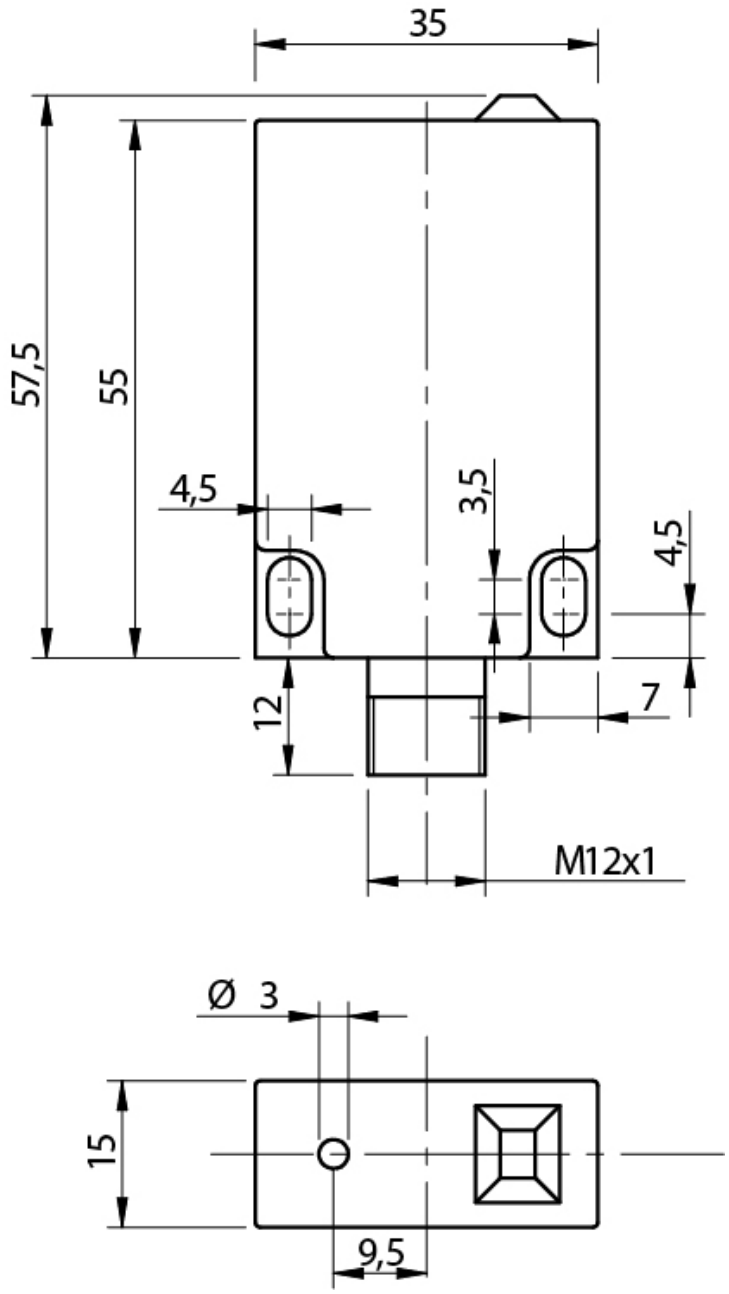


Connector



OTHERS

Dimensions



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