

# Sensorbox SRBG-C1-N-1-ZU-M12

Part number: 3568056

FESTO



 General operating condition

## Data sheet

Feature	Value
Design	Angular
Based on standard	EN 60947-5-2 VDI/VDE 3845
Approval	CCC RCM trademark c UL us (OL)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
KC mark	KC-EMV
Certificate issuing authority	2024010305706390
Note on materials	RoHS-compliant
Measuring principle	Inductive
Ambient temperature	-25 °C ... 70 °C
Switching output	Non-contacting, 2-wire
Switching element function	N/O contact
Max. switching frequency	500 Hz
Max. output current DC	100 mA
Voltage drop	≤6 V
Min. load current	4 mA
Off-state current	0 mA ... 1 mA
Operational voltage range DC	6 V ... 60 V
Reverse polarity protection	For all electrical connections
Electrical connection input	M12x1
Electrical connection 1, connection type	Plugs
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Round
Electrical connection 1, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection 1, number of connections/cores	4
Electrical connection 1, connection pattern	00995596
Type of mounting	Threaded
Mounting position	optional
Product weight	70 g
Material housing	PBT
Material screws	High-alloy stainless steel
Material fitting	Nickel-plated, die-cast zinc
Switching status indication	Yellow LED

<b>Feature</b>	<b>Value</b>
Storage temperature	-25 °C ... 70 °C
Degree of protection	IP67
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
LABS (PWIS) conformity	VDMA24364 zone III
Pollution degree	3