

# Sensorbox SRBG-C1-N-1-P-C2-C2

Part number: 3568165

FESTO



 General operating condition

## Data sheet

Feature	Value
Design	Angular
Based on standard	EN 60947-5-2 VDI/VDE 3845
Approval	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 instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Note on materials	RoHS-compliant
Measuring principle	Inductive
Ambient temperature	-25 °C ... 70 °C
Switching output	PNP
Switching element function	N/O contact
Max. switching frequency	500 Hz
Max. output current DC	100 mA
Voltage drop	≤3 V
Off-state current	0 mA ... 0.5 mA
Short circuit current rating	Pulsed
Operational voltage range DC	10 V ... 30 V
No-load supply current	≤25 mA
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Round
Electrical connection 1, connector system	Spring-loaded terminal
Electrical connection 1, number of connections/cores	10
Electrical connection 1, connection pattern	00995594
Connectable nominal cross section conductor	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cable fitting	M20x1.5
Type of mounting	Threaded
Mounting position	optional
Product weight	170 g
Material housing	PBT
Material screws	High-alloy stainless steel
Ready status indication	Green LED

<b>Feature</b>	<b>Value</b>
Switching status indication	Yellow LED
Status indication	LED yellow = valve switching status
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