

# Sensorbox SRBC-CA3-YR90-N-1-ZU-C2P20

Part number: 3482810

FESTO



 General operating condition

## Data sheet

Feature	Value
Approval	RCM trademark c CSA 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
Certificate issuing authority	Eurocert. SIL202587141
Note on materials	RoHS-compliant
Safety Integrity Level (SIL)	Safety Integrity Level 3
Measuring principle	Inductive
Ambient temperature	-20 °C ... 80 °C
Switching output	Non-contacting, 2-wire
Switching element function	N/O contact
Max. switching frequency	2000 Hz
Max. output current DC	100 mA
Voltage drop	≤4 V
Min. load current	4 mA
Off-state current	0 mA ... 1 mA
Operational voltage range DC	5 V ... 60 V
Reverse polarity protection	For all electrical connections
Microswitch type	P&F NBB3-V3-Z4
Electrical connection	Screw terminal
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	Spring-loaded terminal
Electrical connection 1, number of connections/cores	10
Connectable nominal cross section conductor	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cable fitting	M20x1.5
Permissible cable diameter	5 mm ... 13 mm
Dimensions (W x L x H)	127 mm x 98 mm x 122 mm
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1
Mounting position	optional
Product weight	800 g
Housing colour	grey
Material housing	Die-cast aluminium

Feature	Value
Material seals	NBR
Material shaft	High-alloy stainless steel
Material screws	High-alloy stainless steel
Material blanking plug	PA
Material mounting bracket	High-alloy stainless steel
Material indicator	PC
Material cable gland	PA
Material snap ring	High-alloy stainless steel
Material disc	High-alloy stainless steel
Material cover cap	PC
Position indicator	Yellow/red
Setting range of angular detection	0 deg ... 90 deg
Storage temperature	-20 °C ... 50 °C
Degree of protection	IP67 NEMA 4/4X
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
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Pollution degree	3