

# Sensor box SRBC-CA3-YR90-N-20N-ZC-C2P20

Part number: 3482806

FESTO



## Data sheet

Feature	Value
Type code	SRBC
Certification	RCM compliance mark c CSA us (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
KC characters	KC EMC
Note on materials	RoHS-compliant
Safety integrity level (SIL)	SIL 2
Measuring principle	Inductive
Ambient temperature	-20 °C ... 80 °C
Switching output	NAMUR
Switching element function	N/C contact
Max. switching frequency	2000 Hz
Max. output current DC	3 mA
DC operating voltage range	8.2 V
Electrical connection	Screw terminal
Closable nominal conductor cross-section	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cable fitting	M20x1.5
Approved cable diameter	5 mm ... 13 mm
Type of mounting	On flange as per ISO 5211 With mounting bracket
Connection for valve positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1
Mounting position	Any
Product weight	800 g
Housing colour	Gray
Housing material	Die-cast aluminum
Seals material	NBR
Shaft material	High-alloy stainless steel
Material of screws	High-alloy stainless steel
Blanking plug material	PA
Material of mounting bracket	High-alloy stainless steel
Pointer material	PC
Material for cable connector	PA
Circlip material	High-alloy stainless steel
Disc material	High-alloy stainless steel
Cover cap material	PC

<b>Feature</b>	<b>Value</b>
Position indicator	Yellow/red
Angle detection setting range	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 as per FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
LABS conformity	VDMA24364 zone III
Contamination level	3