

Sensor box SRBC-CA3-YR90-N-1-N-C2P20

Part number: 3482809

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 ... 70 °C
Switching output	NPN
Switching element function	N/O contact
Max. switching frequency	1000 Hz
Max. output current DC	100 mA
Voltage drop	≤3 V
Residual current	0 mA ... 0.5 mA
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Idle current	≤15 mA
Reverse polarity protection	for all electrical connections
Electrical connection	Screw terminal
Closable nominal conductor cross-section	0.25 mm ² ... 2.5 mm ²
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

Feature	Value
Pointer material	PC
Material for cable connector	PA
Circlip material	High-alloy stainless steel
Disc material	High-alloy stainless steel
Cover cap material	PC
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