

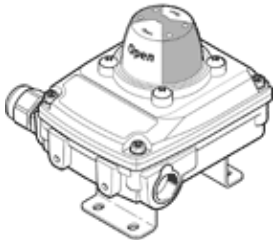
limit switch box

SRBC-CA3-YR90-N-1-N-C2P20

Part number: 3482809

FESTO

for electrical feedback and position monitoring of process valves actuated with pneumatic quarter turn actuators.



Data sheet

Feature	Value
Authorisation	RCM Mark c CSA us (OL)
CE mark (see declaration of conformity)	to EU directive for EMC 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
Materials note	Conforms to RoHS
Safety Integrity Level (SIL)	SIL 2
Measuring principle	Inductive
Ambient temperature	-20 ... 70 °C
Switch output	NPN
Switching element function	Normally open contact
Max. switching frequency	1,000 Hz
Max. output current DC	100 mA
Voltage drop	≤ 3 V
Residual current	0 ... 0.5 mA
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Idle current	≤ 15 mA
Polarity protected	for all electrical connections
Electrical connection	Screwed terminal
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	Cage clamp terminal
Electrical connection 1, number of pins/wires	10
Connectable nominal conductor cross section	0.25 ... 2.5 mm ²
Cable gland connection	M20x1,5
Permissible cable diameter	5 ... 13 mm
Dimensions W x L x H	127 mm x 98 mm x 122 mm
Connection for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1
Assembly position	Any
Product weight	800 g
Housing colour	Grey
Material housing	Aluminium die cast
Material seals	NBR
Material shaft	High alloy steel, non-corrosive
Material screws	High alloy steel, non-corrosive
Material blanking plug	PA
Material mounting bracket	High alloy steel, non-corrosive
Material indicator	PC
Information on materials, cable connector	PA
Material snap ring	High alloy steel, non-corrosive

Feature	Value
Material disc	High alloy steel, non-corrosive
Material cover cap	PC
Position indicator	Yellow/red
Setting range, angle recording	0 ... 90 deg
Storage temperature	-20 ... 50 °C
Protection class	IP67 NEMA 4/4X
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
Degree of contamination	3