

Limit switch box SRBK-CA4-YR90-N-1-P-C2

Part number: 8182178

FESTO



 General operating condition

Data sheet

Feature	Value
Certification	c CSA us (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions To UK instructions for electrical equipment
Certificate issuing authority	Eurocert. SIL202587141
Note on materials	RoHS-compliant
Safety integrity level (SIL)	SIL 3
Measured variable	Position
Measuring principle	Inductive
Sensing range	0 deg ... 90 deg
Ambient temperature	-20 °C ... 70 °C
Switching output	PNP
Switching element function	N/O contact
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
Microswitch type	P&F NBB2-V3-E2
Electrical connection	Screw terminal
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Rectangular
Electrical connection 1, connection technology	Screw terminal
Electrical connection 1, number of pins/wires	10
Closable nominal conductor cross-section	0.25 mm ² ... 2.5 mm ²
Cable fitting	M20x1.5
Dimensions W x L x H	130 mm x 85 mm x 128 mm 130 mm x 85 mm x 138 mm 130 mm x 85 mm x 158 mm 147 mm x 85 mm x 128 mm 147 mm x 85 mm x 138 mm

Feature	Value
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1 VDI/VDE 3845 size AA 2 VDI/VDE 3845 size AA 3
Mounting position	Any
Product weight	460 g
Housing colour	Black
Housing material	PA
Seals material	NBR
Shaft material	PA
Material of screws	Stainless steel
Material of mounting bracket	PA
Circlip material	High-alloy stainless steel
Protective cap material	PC
Switching status indication	Optical
Position indicator	Yellow/red
Angle detection setting range	0 deg ... 90 deg
Storage temperature	-20 °C ... 50 °C
Degree of protection	IP66 IP67
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Corrosion resistance class (CRC)	3 - High corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Contamination level	3