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

Part number: 8182178



Data sheet

Feature	Value
Approval	c CSA us (OL)
CE mark (see declaration of conformity)	To EU EMC Directive To EU Low Voltage Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions To UK regulations for electrical equipment
Certificate issuing authority	Eurocert. 93927
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
Off-state current	0 mA...0.5 mA
Short circuit current rating	Pulsed
Operational voltage range DC	10 V...30 V
No-load supply 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	Square
Electrical connection 1, connector system	Screw terminal
Electrical connection 1, number of connections/cores	10
Connectable nominal cross section conductor	0.25 mm²...2.5 mm²
Cable fitting	M20x1.5
Dimensions (W x L x H)	130 mm x 85 mm x 128 mm

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	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
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
Material housing	PA
Material seals	NBR
Material shaft	PA
Material screws	Stainless steel
Material mounting bracket	PA
Material snap ring	High-alloy stainless steel
Protective cap material	Makrolon®
Switching status indication	Optical
Position indicator	Yellow/red
Setting range of angular detection	0 deg...90 deg
Storage temperature	-20 °C...50 °C
Degree of protection	IP66 IP67
Shock resistance	Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6
Corrosion resistance class CRC	3 - high corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Pollution degree	3