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

Part number: 8137097



Data sheet

Feature	Value
Approval	RCM c CSA us (OL)
CE mark (see declaration of conformity)	To EU EMC Directive 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
Certificate issuing authority	Eurocert. 93927
Note on materials	RoHS compliant
Safety Integrity Level (SIL)	SIL 3
Measuring principle	Inductive
Ambient temperature	-20 °C...80 °C
Switching output	PNP
Switching element function	N/O contact
Max. switching frequency	1000 Hz
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, connector system	Spring-loaded terminal
Electrical connection 1, number of connections/cores	10
Connectable nominal cross section conductor	0.25 mm²...2.5 mm²
Permissible cable diameter	5 mm...13 mm
Dimensions (W x L x H)	127 mm x 98 mm x 122 mm
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1 VDI/VDE 3845 size AA 2

Feature	Value
	VDI/VDE 3845 size AA 3
Mounting position	Any
Product weight	800 g
Housing colour	Grey
Material housing	Die-cast aluminium
Material seals	NBR
Material shaft	High-alloy stainless steel
Material screws	High-alloy stainless steel
Material mounting bracket	High-alloy stainless steel
Material snap ring	High-alloy stainless steel
Material disc	High-alloy stainless steel
Material cover cap	Makrolon®
Position indicator	Yellow/red
Setting range of angular detection	0 deg...90 deg
Storage temperature	-20 °C...50 °C
Degree of protection	IP66 IP67
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Pollution degree	3