

Limit switch box SRBC-CA5-YR90-N-1-P-C2

Part number: 8137106

FESTO



 General operating condition

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 RoHS instructions
KC mark	KC-EMV
Certificate issuing authority	Eurocert. SIL202587141
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
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 mm ² ... 2.5 mm ²
Permissible cable diameter	5 mm ... 13 mm
Dimensions (W x L x H)	114 mm x 98 mm x 122 mm
Type of mounting	on flange according to ISO 5211
Mounting position	Any
Product weight	800 g
Housing colour	Grey
Material housing	Die-cast aluminium
Material seals	NBR
Material shaft	High-alloy stainless steel

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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 NEMA 4/4X
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Pollution degree	3