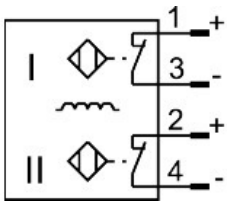
Limit switch box
SRBC-CA3-YR90-N-1-P-M12

Part number: 8137101





Data sheet

Feature	Value
Certification	RCM compliance mark c CSA us (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC characters	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
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	Switch type P&F NBB2-V3-E2
Electrical connection	M12
Electrical connection 1, connection type	Plug
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Round
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	8
Closable nominal conductor cross-section	0.25 mm²...2.5 mm²
Approved cable diameter	5 mm...13 mm

Feature	Value
Dimensions W x L x H	127 mm x 111 mm x 122 mm
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 Size AA 1
Mounting position	Any
Product weight	800 g
Housing colour	Gray
Housing material	Die-cast aluminum
Seals material	NBR
Shaft material	high-alloy stainless steel
Material of screws	high-alloy stainless steel
Material of mounting bracket	high-alloy stainless steel
Circlip material	high-alloy stainless steel
Disc material	high-alloy stainless steel
Cover cap material	PC
Material of pneumatic fitting	Brass, nickel-plated
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 2 as per FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 Zone III
Contamination level	3