Limit switch box
SRBE-CA3-YR90-N-1-P-C2N12-C1

Part number: 3998920



Data sheet

Feature	Value
Design	Square
Based on norm	EN 60947-5-2 ISO 5211 VDI/VDE 3845
Certification	RCM compliance mark
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
Explosion prevention and protection	Class I, Div. 1 (CA) Class I, Div. 1 (US) Class I, Div. 2 (CA) Class I, Div. 2 (US) Class II, Div. 1 (CA) Class II, Div. 1 (US) Zone 1 (CA) Zone 1 (US) Zone 2 (CA) Zone 2 (US) Zone 21 (CA) Zone 21 (US)
Type of ignition protection for gas	AEx nA IIC T5 Gc Ex nA IIC T5 Gc
Type of (ignition) protection for dust	AEx tb IIIC T108°C Db Ex tb IIIC T108°C Db
Explosion protection certification outside the EU	Class I, Div. 1 (CA) Class I, Div. 1 (US) Class I, Div. 2 (CA) Class I, Div. 2 (US) Class II, Div. 1 (CA) Class II, Div. 1 (US) Class III (CA) Class III (US) EPL Db (CA) EPL Db (US) EPL Gb (CA) EPL Gb (US) EPL Gc (CA) EPL Gc (US)
Certificate issuing authority	CSA 263311

Feature	Value
	Eurocert. 93927
Note on materials	RoHS compliant
Safety integrity level (SIL)	SIL 3
Measuring principle	Inductive
Ambient temperature	-20 °C...60 °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
Reverse polarity protection	for all electrical connections
Microswitch type	Switch type P&F NBB2-V3-E2
Electrical connection	10-pin Screw terminal
Closable nominal conductor cross-section	0.25 mm²...2.5 mm²
Cable fitting	1/2 NPT
Type of mounting	on flange according to ISO 5211 With mounting bracket
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 Size AA 1
Mounting position	Any
Product weight	1700 g
Housing colour	Silver
Housing material	Die cast aluminum, painted
Seals material	NBR
Shaft material	high-alloy stainless steel
Material of screws	high-alloy stainless steel
Material of mounting bracket	high-alloy stainless steel
Pointer material	PC
Circlip material	high-alloy stainless steel
Disc material	high-alloy stainless steel
Position indicator	Yellow/red
Angle detection setting range	0 deg...90 deg
Storage temperature	-20 °C...60 °C
Degree of protection	IP67 NEMA 4/4X
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
LABS (PWIS) conformity	VDMA24364 Zone III
Contamination level	3