

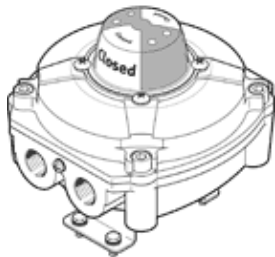
# limit switch box

## SRBE-CA3-YR90-MW-22A-1W-C2N12-C1

Part number: 3998917

FESTO

For electrical feedback and position monitoring of process valves actuated with pneumatic quarter turn actuators, electromechanical measuring principle.



## Data sheet

Feature	Value
Design	Angular
Based on the standard	EN 60947-5-1 ISO 5211
CE symbol (see declaration of conformity)	according to EU low voltage guideline in accordance with EU RoHS directive
Explosion ignition protection type Gas	AEx d IIB T5 Gb Ex d IIB T5 Gb
Explosion ignition protection type 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 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)
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C
Certificate issuing department	CSA 263311
Materials note	Conforms to RoHS
Safety Integrity Level (SIL)	SIL 2
Measuring principle	Mechanical/electrical For proximity sensor
Ambient temperature	-20 ... 60 °C
Switch output	Contact-type
Switching element function	Toggle switch, single pole
Max. output current AC	3 A
Max. output current DC	6 A
Operating voltage range AC	0 ... 250 V
Operating voltage range DC	0 ... 30 V
Electrical connection	10-pin Screwed terminal
Connectable nominal conductor cross section	0.25 ... 2.5 mm <sup>2</sup>
Cable gland connection	1/2 NPT
Mounting type	On flange to ISO 5211 With mounting bracket
Connection for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1
Assembly position	Any
Product weight	1,700 g
Housing color	silver
Material housing	Die-cast aluminium, painted

Feature	Value
Material seals	NBR
Material shaft	High alloy steel, non-corrosive
Material screws	High alloy steel, non-corrosive
Material mounting bracket	High alloy steel, non-corrosive
Material indicator	PC
Material snap ring	High alloy steel, non-corrosive
Material disc	High alloy steel, non-corrosive
Position indicator	Yellow/red
Setting range, angle recording	0 ... 90 deg
Storage temperature	-20 ... 60 °C
Protection class	IP67 NEMA 4/4X
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
PWIS conformity	VDMA24364 zone III
Degree of contamination	3