

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

Part number: 3998917

FESTO



 General operating condition

Data sheet

Feature	Value
Design	Angular
Based on standard	EN 60947-5-1 ISO 5211
CE mark (see declaration of conformity)	To EU Low Voltage Directive In accordance with EU RoHS Directive
Explosion protection	Class I, Div. 1 (CA) Class I, Div. 1 (US) Class II, Div. 1 (CA) Class II, Div. 1 (US) Zone 1 (CA) Zone 1 (US) Zone 21 (CA) Zone 21 (US)
Explosion ignition protection type for gas	AEx d IIB T5 Gb Ex d IIB T5 Gb
Explosion ignition protection type for dust	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)
Certificate issuing authority	CSA 263311 Eurocert. SIL202587141
Note on materials	RoHS-compliant
Safety Integrity Level (SIL)	Safety Integrity Level 3
Measuring principle	Mechanical/electrical Via proximity switch
Ambient temperature	-20 °C ... 60 °C
Switching output	Contacting
Switching element function	Toggle switch, single-pole
Max. output current AC	3000 mA
Max. output current DC	6000 mA
Operational voltage range AC	0 V ... 230 V
Operational voltage range DC	0 V ... 30 V
Microswitch type	CHERRY D44
Electrical connection	10-pin Screw terminal

Feature	Value
Connectable nominal cross section conductor	0.25 mm ² ... 2.5 mm ²
Cable fitting	1/2 NPT
Type of mounting	On flange according to ISO 5211 Via mounting bracket
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1
Mounting position	optional
Product weight	1700 g
Housing colour	Silver
Material housing	Painted 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 indicator	PC
Material snap ring	High-alloy stainless steel
Material disc	High-alloy stainless steel
Position indicator	Yellow/red
Setting range of angular detection	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 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
LABS (PWIS) conformity	VDMA24364 zone III
Pollution degree	3