

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

Part number: 3998917

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Design	Square
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
UKCA marking (see declaration of conformity)	To UK RoHS instructions To UK regulations for electrical equipment
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	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)	SIL 3
Measuring principle	mechanical/electrical Via proximity switch
Ambient temperature	-20 °C ... 60 °C
Switching output	conventional
Switching element function	Toggle switch, single-pin
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	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 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
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	Makrolon®
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