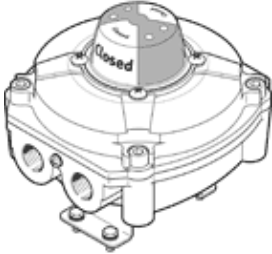


# sensor box SRBE-CA3-YR90-N-1-ZU-C2N12-C1

Part number: 3998922

FESTO

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



## Data sheet

Feature	Value
Design	Angular
Based on the standard	EN 60947-5-2 ISO 5211 VDI/VDE 3845
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC
ATEX category Gas	II 2G
Explosion ignition protection type Gas	AEx d IIB T5 Gb AEx nA IIC T5 Gc Ex d IIB T5 Gb Ex nA IIC T5 Gc
ATEX category Dust	II 2D
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 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)
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C
Certificate issuing department	CSA 263311
Materials note	Contains PWIS substances Conforms to RoHS
Safety Integrity Level (SIL)	SIL 2
Measuring principle	Inductive
Ambient temperature	-20 ... 60 °C
Switch output	Non-contacting 2-wire
Switching element function	Normally open contact
Max. output current DC	100 mA
Voltage drop	≤ 5 V
Minimum load current	4 mA
Residual current	0 ... 1 mA
Operating voltage range DC	5 ... 60 V
Polarity protected	for all electrical connections

Feature	Value
Electrical connection	10-pin Screw 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
Assembly position	Any
Product weight	1,700 g
Housing colour	silver
Material housing	Aluminium die cast
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
Degree of contamination	3