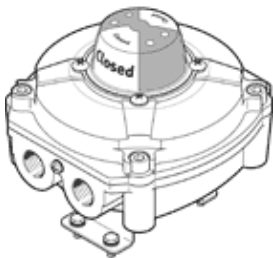


sensor box SRBE-CA3-YR90-R-2A-1W-C2N12-EX

Part number: 3471020

FESTO



Data sheet

Feature	Value
Design	Angular
Based on the standard	EN 60947-5-2 ISO 5211 VDI/VDE 3845
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX) to EU directive low-voltage devices
ATEX category Gas	II 2G
Explosion ignition protection type Gas	Ex d IIC T6 Gb
ATEX category Dust	II 2D
Explosion ignition protection type Dust	Ex tb IIIC T61°C Db
Explosion protection certification outside the EU	EPL Db (BR) EPL Db (CN) EPL Db (IEC-EX) EPL Gb (BR) EPL Gb (CN) EPL Gb (IEC-EX)
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C
Certificate issuing department	DNV 16.0067X FTZU 15 ATEX 0095X GYJ 16.1497X IECEX FTZU 15.0014X
Materials note	Contains PWIS substances Conforms to RoHS
Safety Integrity Level (SIL)	SIL 2
Measuring principle	Reed magnetic
Ambient temperature	-20 ... 60 °C
Switch output	Contact-type
Switching element function	Toggle switch, single pole
Max. output current AC	0.416 A
Max. output current DC	3 A
Operating voltage range AC	0 ... 240 V
Operating voltage range DC	0 ... 30 V
Electrical connection	Screwed terminal 10-pin
Connectable nominal conductor cross section	0.25 ... 2.5 mm ²
Cable gland connection	NPT1/2
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

Feature	Value
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	IP65
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