

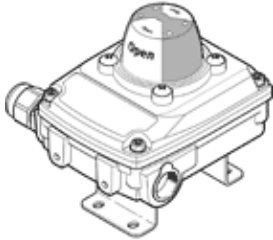
sensor box SRBC-CA3-YR90-N-20N-ZC-C2P20-EX6

Part number: 3482807

★ Core product range

for electrical feedback and position monitoring of process valves actuated with pneumatic quarter turn actuators.

FESTO



Data sheet

Feature	Value
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive explosion protection (ATEX) in accordance with EU RoHS directive
KC mark	KC-EMV
ATEX category Gas	II 1G
Explosion ignition protection type Gas	Ex ia IIC T6/T5 Ga
ATEX category Dust	II 1D
Explosion ignition protection type Dust	Ex ia IIIC Txx°C Da
Explosion protection certification outside the EU	EPL Da (IEC-EX) EPL Ga (IEC-EX)
Explosion-proof ambient temperature	See ATEX certificate See IECEx certificate
Max. input voltage	16 V
effective inductivity	100 µH
effective capacity	100 nF
Max. input parameters for intrinsically safe circuit	See IECEx certificate See ATEX certificate
Certificate issuing department	FTZU 17 ATEX 0105X IECEx FTZU 17.0017X
Materials note	Contains PWIS substances Conforms to RoHS
Safety Integrity Level (SIL)	SIL 2
Ambient temperature	-20 ... 80 °C
Switch output	NAMUR
Switching element function	Normally closed contact
Max. output current DC	3 mA
Operating voltage range DC	8.2 V
Electrical connection	10-pin Screwed terminal
Connectable nominal conductor cross section	0.25 ... 2.5 mm ²
Cable gland connection	M20x1,5
Permissible cable diameter	6 ... 12 mm
Mounting type	On flange to ISO 5211 With mounting bracket
Assembly position	Any
Product weight	800 g
Material housing	Aluminium die cast
Material seals	NBR
Material shaft	High alloy steel, non-corrosive
Material screws	High alloy steel, non-corrosive
Material blanking plug	PA
Material mounting bracket	High alloy steel, non-corrosive

Feature	Value
Material indicator	PC
Material cable connection	PA
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 ... 80 °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