

limit switch box

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

Part number: 3471020

FESTO

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



Data sheet

Feature	Value
Design	Angular
Based on the standard	EN 60947-5-2 ISO 5211 VDI/VDE 3845
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX) according to EU low voltage guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment To UK EX instructions To UK RoHS instructions
ATEX category Gas	II 2G
Explosion ignition protection type Gas	Ex db IIC T6 Gb
ATEX category Dust	II 2D
Explosion ignition protection type Dust	Ex tb IIIC T...°C Db
Explosion protection certification outside the EU	EPL Db (BR) EPL Db (CN) EPL Db (IEC-EX) EPL Db (IN) EPL Db (KR) EPL Gb (BR) EPL Gb (CN) EPL Gb (IEC-EX) EPL Gb (IN) EPL Gb (KR)
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C
Max. surface temperature	61 °C
Certificate issuing department	18-GA4BO-0518X 18-GA4BO-0519X DNV 16.0067X FTZU 15 ATEX 0095X GYJ 16.1497X IECEX FTZU 15.0014X KCC-18-GA4BO
Materials note	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
Max. contact rating AC	100 W
Max. contact rating DC	100 W

Feature	Value
Operating voltage range AC	0 ... 240 V
Operating voltage range DC	0 ... 30 V
Electrical connection	10-pin Screw terminal
Connectable nominal conductor cross section	0.25 ... 2.5 mm ²
Cable gland connection	1/2 NPT
Mounting type	On flange to ISO 5211 With mounting bracket
Connection for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1
Assembly position	Any
Product weight	1,700 g
Housing color	silver
Material housing	Die-cast aluminium, painted
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
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
PWIS conformity	VDMA24364 zone III
Degree of contamination	3