

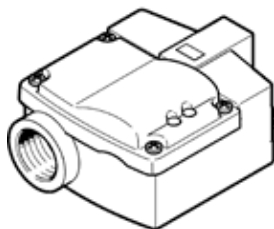
limit switch box

SRBG-C1-N-20N-ZC-C2-C2-EX5

Part number: 3568167

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 60947-5-6 VDI/VDE 3845
Authorisation	RCM Mark c UL us (OL)
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive explosion protection (ATEX) in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK EX instructions To UK RoHS instructions
ATEX category Gas	II 1G
Explosion ignition protection type Gas	Ex ia IIC T6...T1 Ga
Explosion protection certification outside the EU	EPL Da (GB) EPL Ga (GB)
Explosion-proof ambient temperature	See ATEX certificate See IECEx certificate
effective inductivity	100 µH
effective capacity	100 nF
Max. input parameters for intrinsically safe circuit	See IECEx certificate See ATEX certificate
Certificate issuing department	CML22UKEX2263X
Materials note	Conforms to RoHS
Safety Integrity Level (SIL)	SIL 2
Measuring principle	Inductive
Ambient temperature	-25 ... 100 °C
Switch output	NAMUR
Switching element function	Normally closed contact
Max. switching frequency	3,000 Hz
Max. output current DC	3 mA
Short circuit strength	Yes
Operating voltage range DC	8.2 V
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Round
Electrical connection 1, connection technology	Cage clamp terminal
Electrical connection 1, number of pins/wires	10
Connectable nominal conductor cross section	0.2 ... 2.5 mm ²
Cable gland connection	M12x1,5 M20x1,5
Mounting type	Threaded
Assembly position	Any

Feature	Value
Product weight	170 g
Material housing	PBT
Material screws	High alloy steel, non-corrosive
Operating status display	Yellow LED
Status display	Yellow LED = valve switching status
Storage temperature	-40 ... 100 °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