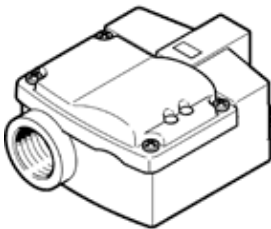


sensor box SRBG-C1-N-20N-ZC-C2-C2-EX5

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
ATEX category Gas	II 1G
Explosion ignition protection type Gas	Ex ia IIC T6...T1 Ga
Explosion protection certification outside the EU	EPL Ga (IEC-EX)
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	IECEx TUN 18.0003X TÜV 16 ATEX 174269 X
Materials note	Contains PWIS substances 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 input connection	Cage clamp terminal
Electrical output connection	Cage clamp terminal
Connectable nominal conductor cross section	0.2 ... 2.5 mm ²
Cable gland connection	M12x1,5 M20x1,5
Assembly position	Any
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

Feature	Value
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
Degree of contamination	3