

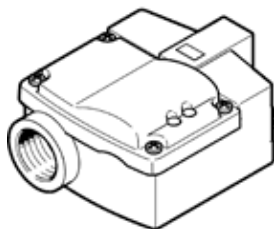
# limit switch box

## SRBG-C1-N-1-ZU-C2-C2

Part number: 3568166

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 60947-5-2 VDI/VDE 3845
Authorisation	CCC RCM Mark c UL us (OL)
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Certificate issuing department	2020960305001335
Materials note	Conforms to RoHS
Measuring principle	Inductive
Ambient temperature	-25 ... 70 °C
Switch output	Non-contacting 2-wire
Switching element function	Normally open contact
Max. switching frequency	500 Hz
Max. output current DC	100 mA
Voltage drop	≤ 6 V
Minimum load current	4 mA
Residual current	0 ... 1 mA
Operating voltage range DC	6 ... 60 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 <sup>2</sup>
Cable gland connection	M12x1,5 M20x1,5
Mounting type	Threaded
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	-25 ... 70 °C
Protection class	IP67
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27

<b>Feature</b>	<b>Value</b>
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