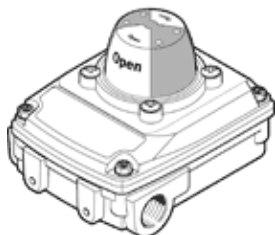


# limit switch box

## SRBC-CA5-YR90-N-20N-ZC-C2-EX6

Part number: 8137105

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
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/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 (CN) EPL Da (GB) EPL Da (IEC-EX) EPL Ga (CN) EPL Ga (GB) 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 GYJ20.1409X IECEx FTZU 17.0017X
Materials note	Conforms to RoHS
Safety Integrity Level (SIL)	SIL 2
Measuring principle	Inductive
Ambient temperature	-20 ... 80 °C
Switch output	NAMUR
Switching element function	Normally closed contact
Max. switching frequency	2,000 Hz
Max. output current DC	3 mA
Residual current	0 ... 0.5 mA
Operating voltage range DC	8.2 V
Electrical connection	Screwed terminal
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	Cage clamp terminal
Electrical connection 1, number of pins/wires	10
Connectable nominal conductor cross section	0.25 ... 2.5 mm <sup>2</sup>
Cable gland connection	M20x1,5
Permissible cable diameter	6 ... 12 mm
Dimensions W x L x H	114 mm x 98 mm x 122 mm

<b>Feature</b>	<b>Value</b>
Mounting type	On flange to ISO 5211
Assembly position	Any
Product weight	800 g
Housing colour	Grey
Material housing	Aluminium die cast
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 snap ring	High alloy steel, non-corrosive
Material disc	High alloy steel, non-corrosive
Material cover cap	PC
Position indicator	Yellow/red
Setting range, angle recording	0 ... 90 deg
Storage temperature	-20 ... 50 °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
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
Degree of contamination	3