

# limit switch box

## SRAP-M-CA1-GR270-1-A-TP20-EX2

Part number: 568241

FESTO

Analogue feedback signal from 4...20mA for monitoring process valves actuated with pneumatic quarter turn actuators.



## Data sheet

Feature	Value
Design	Angular
Based on the standard	VDI/VDE 3845 (NAMUR)
Authorisation	RCM Mark c UL us - Recognized (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 3G
Explosion ignition protection type Gas	Ex ec IIC T5 Gc X
ATEX category Dust	II 3D
Explosion ignition protection type Dust	Ex tc IIIC T90°C Dc X
Explosion protection certification outside the EU	EPL Dc (GB) EPL Gc (GB)
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +80°C
Materials note	Conforms to RoHS
Measured variable	Rotation angle
Measuring principle	Hall magnetic
Ambient temperature	-20 ... 80 °C
Analogue output	4 - 20 mA
Repetition accuracy analogue output in ± °	1 deg
Short circuit strength	Yes
Overload withstand capability	Available
Operating voltage range DC	15 ... 30 V
Idle current	12 ... 20 mA
Polarity protected	for all electrical connections
Electrical connection	9-pin Screwed terminal Plug-in
Connectable nominal conductor cross section	2.5 mm <sup>2</sup>
Cable gland connection	M20
Permissible cable diameter	5 ... 13 mm
Max. line length	30 m
Assembly position	Any
Product weight	1,000 g
Material housing	Wrought Aluminium alloy
Position indicator	Red/green
Setting options	Teach-In Teach-in via electrical connection
Setting range, angle recording	0 ... 270 deg
Protection class	IP65

<b>Feature</b>	<b>Value</b>
Insulation voltage	50 V
Surge strength	0.8 kV
Safety class	III
Corrosion resistance classification CRC	3 - High corrosion stress
PWIS conformity	VDMA24364-B2-L
Degree of contamination	3