

# Sensorbox SRBP-M-CA1-BB270-MS-1U-TP20-EX2

Part number: 568249

FESTO



## Data sheet

Feature	Value
Design	Angular
Based on the standard	VDI/VDE 3845 (NAMUR)
Authorization	C-Tick c UL us - Recognized (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU-Ex protection guideline (ATEX)
ATEX category Gas	II 3G
Explosion ignition protection type Gas	Ex nA IIC T5 X Gc
ATEX category Dust	II 3D
Explosion ignition protection type Dust	Ex tc IIIC T90°C X Dc IP65
Explosion protection certification outside the EU	EPL Dc (RU) EPL Gc (RU)
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +80°C
Materials note	Conforms to RoHS
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	up to SIL 2 high demand mode
Measured variable	Rotation angle
Measuring principle	Reed magnetic
Ambient temperature	-20 ... 80 °C
Switching element function	Normally open contact
Switching point reproducibility	+/- 1 deg
Max. output current	500 mA
Max. contact rating AC	10 VA
Max. contact rating DC	10 W
Voltage drop	≤ 0.2 V
Short circuit strength	No
Overload withstand capability	Not available
Output signal	Digital
Operating voltage range AC	19.2 ... 28.8 V
Operating voltage range DC	19.2 ... 28.8 V
Idle current	0 ... 10 mA
Polarity protected	for operating voltage
Electrical connection	Screwed terminal 9-pin Plug-in
Max. line length	30 m
Cable gland connection	M20
Permissible cable diameter	5 ... 13 mm
Connectable nominal conductor cross section	2.5 mm <sup>2</sup>
Assembly position	Any
Product weight	1,000 g
Materials information, housing	Wrought Aluminum alloy
Operating status display	LED
Position indicator	Blue/black
Setting range, angle recording	0 ... 270 deg
Protection class	IP65
Insulation voltage	50 V
Surge strength	0.8 kV
Safety class	III
Corrosion resistance classification CRC	3
Degree of contamination	3