

# 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)
Authorisation	C-Tick c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive explosion protection (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 Aluminium 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