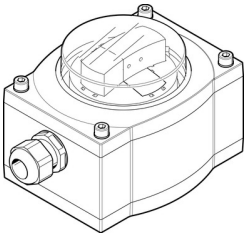
Sensor box
SRAP-M-CA1-BB270-1-A-TP20-EX2

Part number: 568237



Data sheet

Feature	Value
Type code	SRAP
Design	Rectangular
Based on norm	VDI/VDE 3845 (NAMUR)
Certification	RCM compliance mark c UL us - Recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive as per EU explosion protection directive (ATEX)
Explosion prevention and protection	Zone 2 (ATEX) Zone 22 (ATEX) Zone 2 (RU) Zone 22 (RU)
ATEX category gas	II 3G
Type of ignition protection for gas	Ex nA IIC T5 X Gc
ATEX category for dust	II 3D
Type of (ignition) protection for dust	Ex tc IIIC T90°C X Dc IP65
Explosion protection certification outside the EU	EPL Dc (RU) EPL Gc (RU)
Explosive ambient temperature	-20°C <= Ta <= +80°C
Note on materials	RoHS-compliant
Measured variable	Rotation angle
Measuring principle	Magnetic Hall
Ambient temperature	-20 °C ... 80 °C
Analog output	4 - 20 mA
Repetition accuracy analog output in ± °	1 deg
Short-circuit protection	yes
Overload protection	Available
DC operating voltage range	15 V ... 30 V
Idle current	12 mA ... 20 mA
Reverse polarity protection	for all electrical connections
Electrical connection	9-pin Screw terminal Plug-in
Closable nominal conductor cross-section	2.5 mm²
Cable fitting	M20
Approved cable diameter	5 mm ... 13 mm
Max. cable length	30 m
Mounting position	Any
Product weight	1000 g

Feature	Value
Housing material	Wrought aluminum alloy
Position indicator	Blue/black
Setting options	Teach-in Teach-in via electrical connection
Angle detection setting range	0 deg ... 270 deg
Degree of protection	IP65
Insulation voltage	50 V
Surge resistance	0.8 kV
Protection class	III
Corrosion resistance class (CRC)	3 - High corrosion stress
Contamination level	3