Limit switch box
SRAP-M-CA1-GR270-1-A-TP20-EX2

Part number: 568241



Data sheet

Feature	Value
Design	Square
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) As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC acc. to UK EX instructions To UK RoHS instructions
Explosion prevention and protection	Zone 2 (ATEX) Zone 2 (UKEX) Zone 22 (ATEX) Zone 22 (UKEX)
ATEX category gas	II 3G
Type of ignition protection for gas	Ex ec IIC T5 Gc X
ATEX category for dust	II 3D
Type of (ignition) protection for dust	Ex tc IIIC T90°C Dc X
Explosion protection certification outside the EU	EPL Dc (GB) EPL Gc (GB)
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

Feature	Value
	Can be plugged 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
Housing material	Wrought aluminum alloy
Display type	LED
Position indicator	Red/green
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
LABS (PWIS) conformity	VDMA24364-B2-L
Contamination level	3