Sensorbox
SRBE-CA3-YR90-R-2A-1W-C2N12-EX

Part number: 3471020



Data sheet

Feature	Value
Design	Angular
Based on standard	EN 60947-5-2 ISO 5211 VDI/VDE 3845
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX) To EU Low Voltage Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK EX instructions To UK RoHS instructions To UK regulations for electrical equipment
Explosion protection	Zone 1 (ATEX) Zone 1 (CN) Zone 1 (IEC-EX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (BR) Zone 21 (CN) Zone 21 (IEC-EX) Zone 21 (UKEX) Zone 22 (ATEX)
ATEX category gas	II 2G
Explosion ignition protection type for gas	Ex db IIC T6 Gb
ATEX category dust	II 2D
Explosion ignition protection type for dust	Ex tb IIIC T...°C Db
Explosion protection certification outside the EU	EPL Db (BR) EPL Db (CN) EPL Db (GB) EPL Db (IEC-EX) EPL Gb (CN) EPL Gb (GB) EPL Gb (IECEx)
Explosion ambient temperature	-20°C <= Ta <= +60°C
Max. surface temperature	61 °C

Feature	Value
Certificate issuing authority	18-GA4BO-0518X 18-GA4BO-0519X DNV 16.0067X Eurocert. SIL202587141 FTZU 15 ATEX 0095X GYJ16.1497X GYJ23.1167X IECEx FTZU 15.0014X KCC-18-GA4BO
Note on materials	RoHS-compliant
Safety Integrity Level (SIL)	Safety Integrity Level 3
Measuring principle	Magnetic reed
Ambient temperature	-20 °C...60 °C
Switching output	Contacting
Switching element function	Toggle switch, single-pole
Max. output current AC	0.416 A
Max. output current DC	3 A
Max. switching capacity AC	100 W
Max. switching capacity DC	100 W
Operational voltage range AC	0 V...240 V
Operational voltage range DC	0 V...30 V
Microswitch type	HSI SENSING HSR-834W
Electrical connection	10-pin Screw terminal
Connectable nominal cross section conductor	0.25 mm²...2.5 mm²
Cable fitting	1/2 NPT
Type of mounting	To VDI/VDE 3845
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1
Mounting position	optional
Product weight	1700 g
Housing colour	Silver
Material housing	Painted die cast aluminium
Material seals	NBR
Material shaft	High-alloy stainless steel
Material screws	High-alloy stainless steel
Material mounting bracket	High-alloy stainless steel
Material indicator	PC
Material snap ring	High-alloy stainless steel
Material disc	High-alloy stainless steel
Position indicator	Yellow/red
Setting range of angular detection	0 deg...90 deg
Storage temperature	-20 °C...60 °C
Degree of protection	IP67 NEMA 4/4X
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
LABS (PWIS) conformity	VDMA24364 zone III
Pollution degree	3