Limit switch box
SRBE-CA3-YR90-R-2A-1W-C2M20-EX

Part number: 3471021



Data sheet

Feature	Value
Design	Square
Based on norm	EN 60947-5-2 ISO 5211 VDI/VDE 3845
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX) As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	acc. to UK EX instructions To UK RoHS instructions To UK instructions for electrical equipment
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (BR) Zone 1 (CN) Zone 1 (IEC-EX) Zone 1 (KR) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (BR) Zone 21 (CN) Zone 21 (IEC-EX) Zone 21 (IN) Zone 21 (KR) Zone 21 (UKEX) Zone 22 (ATEX)
ATEX category gas	II 2G
Type of ignition protection for gas	Ex db IIC T6 Gb
ATEX category for dust	II 2D
Type of (ignition) protection 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 Db (IN) EPL Db (KR) EPL Gb (BR) EPL Gb (CN) EPL Gb (GB) EPL Gb (IEC-EX) EPL Gb (IN)

Feature	Value
	EPL Gb (KR)
Explosive ambient temperature	-20°C <= Ta <= +60°C
Max. surface temperature	61 °C
Certificate issuing authority	18-GA4BO-0518X 18-GA4BO-0519X DNV 16.0067X Eurocert. 93927 FTZU 15 ATEX 0095X GYJ16.1497X GYJ23.1167X IECEx FTZU 15.0014X KCC-18-GA4BO
Note on materials	RoHS compliant
Safety integrity level (SIL)	SIL 3
Measuring principle	Magnetic reed
Ambient temperature	-20 °C...60 °C
Switching output	Contact-based
Switching element function	Toggle switch, single-pin
Max. output current AC	0.416 A
Max. output current DC	3 A
Min. switching capacity AC	100 W
Max. switching capacity DC	100 W
Operating voltage range AC	0 V...240 V
DC operating voltage range	0 V...30 V
Microswitch type	HSI SENSING HSR-834W
Electrical connection	10-pin Screw terminal
Closable nominal conductor cross-section	0.25 mm²...2.5 mm²
Cable fitting	M20x1.5
Type of mounting	As per VDI/VDE 3845
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 Size AA 1
Mounting position	Any
Product weight	1700 g
Housing colour	Silver
Housing material	Die cast aluminum, painted
Seals material	NBR
Shaft material	high-alloy stainless steel
Material of screws	high-alloy stainless steel
Material of mounting bracket	high-alloy stainless steel
Pointer material	PC
Circlip material	high-alloy stainless steel
Disc material	high-alloy stainless steel
Position indicator	Yellow/red
Angle detection setting range	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 as per FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
LABS (PWIS) conformity	VDMA24364 Zone III
Contamination level	3