Limit switch box
SRBC-CA5-YR90-N-20N-ZC-C2-EX6

Part number: 8137105



Data sheet

Feature	Value
Certification	RCM compliance mark
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 0 (ATEX) Zone 0 (CN) Zone 0 (IEC-EX) Zone 0 (UKEX) Zone 1 (ATEX) Zone 2 (ATEX) Zone 20 (ATEX) Zone 20 (CN) Zone 20 (IEC-EX) Zone 20 (UKEX) Zone 21 (ATEX) Zone 22 (ATEX)
ATEX category gas	II 1G
Type of ignition protection for gas	Ex ia IIC T6/T5 Ga
ATEX category for dust	II 1D
Type of (ignition) protection for dust	Ex ia IIIC Txx°C Da
Explosion protection certification outside the EU	EPL Da (CN) EPL Da (GB) EPL Da (IEC-EX) EPL Ga (CN) EPL Ga (GB) EPL Ga (IEC-EX)
Explosive ambient temperature	See ATEX certificate See IECEx certificate
Max. input voltage Vi	16 V
Effective internal inductance Li	100 µH
Effective internal capacitance Ci	100 nF
Max. input parameter of intrinsically safe circuit	See IECEx certificate See ATEX certificate
Certificate issuing authority	Eurocert. 93927 FTZU 17 ATEX 0105X

Feature	Value
	GYJ20.1409X IECEx FTZU 17.0017X
Note on materials	RoHS compliant
Safety integrity level (SIL)	SIL 3
Measuring principle	Inductive
Ambient temperature	-20 °C...80 °C
Switching output	NAMUR
Switching element function	NC contact
Max. switching frequency	2000 Hz
Max. output current DC	3 mA
Residual current	0 mA...0.5 mA
DC operating voltage range	8.2 V
Microswitch type	P&F NCB2-V3-N0
Electrical connection	Screw terminal
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connection technology	Spring-loaded terminal
Electrical connection 1, number of pins/wires	10
Closable nominal conductor cross-section	0.25 mm²...2.5 mm²
Approved cable diameter	6 mm...12 mm
Dimensions W x L x H	114 mm x 98 mm x 122 mm
Type of mounting	on flange according to ISO 5211
Mounting position	Any
Product weight	800 g
Housing colour	Gray
Housing material	Die-cast aluminum
Seals material	NBR
Shaft material	high-alloy stainless steel
Material of screws	high-alloy stainless steel
Material of mounting bracket	high-alloy stainless steel
Circlip material	high-alloy stainless steel
Disc material	high-alloy stainless steel
Cover cap material	PC
Position indicator	Yellow/red
Angle detection setting range	0 deg...90 deg
Storage temperature	-20 °C...50 °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
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 Zone III
Contamination level	3