Limit switch box
SRBC-CA4-YR90-MW-1-1WG-C2-EX6

Part number: 8137095

Data sheet

Feature	Value
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX) In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK EX instructions To UK RoHS instructions
Explosion 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
Explosion ignition protection type for gas	Ex ia IIC T6...T1 Ga
ATEX category dust	II 1D
Explosion ignition protection type for dust	Ex i IIIC Txx°C Da
Explosion protection certification outside the EU	EPL Da (CN) EPL Da (GB) EPL Da (IECEx) EPL Ga (CN) EPL Ga (GB) EPL Ga (IEC-EX)
Explosion ambient temperature	See ATEX certificate See IECEx certificate
Max. input voltage Ui	30 V
Effective internal inductivity Li	Negligibly low
Effective internal capacitance Ci	Negligibly low
Max. intrinsically safe circuit input parameter	See IECEx certificate See ATEX certificate
Certificate issuing authority	Eurocert. SIL202587141 FTZU 17 ATEX 0105X GYJ20.1409X IECEx FTZU 17.0017X
Note on materials	RoHS-compliant

Feature	Value
Safety Integrity Level (SIL)	Safety Integrity Level 3
Measuring principle	Mechanical/electrical
Ambient temperature	-40 °C...80 °C
Switching output	Contacting (gold)
Switching element function	Toggle switch, single-pole
Max. output current DC	100 mA
Operational voltage range DC	0 V...30 V
Microswitch type	Omron D2SW-01L1T
Electrical connection	Screw terminal
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, connector system	Spring-loaded terminal
Electrical connection 1, number of connections/cores	10
Connectable nominal cross section conductor	0.25 mm²...2.5 mm²
Permissible cable diameter	6 mm...12 mm
Dimensions (W x L x H)	127 mm x 98 mm x 122 mm
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1 VDI/VDE 3845 size AA 2 VDI/VDE 3845 size AA 3
Mounting position	optional
Product weight	800 g
Housing colour	grey
Material housing	Die-cast aluminium
Material seals	VMQ (silicone)
Material shaft	High-alloy stainless steel
Material screws	High-alloy stainless steel
Material mounting bracket	High-alloy stainless steel
Material snap ring	High-alloy stainless steel
Material disc	High-alloy stainless steel
Material cover cap	PC
Position indicator	Yellow/red
Setting range of angular detection	0 deg...90 deg
Storage temperature	-20 °C...50 °C
Degree of protection	IP66
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Pollution degree	3