

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

Part number: 8191216

FESTO



Data sheet

Feature	Value
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX) As per EU RoHS directive
UKCA marking (see declaration of conformity)	acc. to UK EX instructions To UK RoHS instructions
Explosion prevention and protection	Zone 0 (ATEX) Zone 0 (IEC-EX) Zone 0 (UKEX) Zone 1 (ATEX) Zone 1 (IEC-EX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 20 (ATEX) Zone 20 (IEC-EX) Zone 20 (UKEX) Zone 21 (ATEX) Zone 21 (IEC-EX) Zone 21 (UKEX) Zone 22 (ATEX)
ATEX category gas	II 1G
Type of ignition protection for gas	Ex ia IIC T6...T4 Ga Ex ia IIC T6/T5/T4 Gb
ATEX category for dust	II 1D
Type of (ignition) protection for dust	Ex ia IIIC T135°C Db Ex ia IIIC T200 135°C Da
Explosion protection certification outside the EU	EPL Da (GB) EPL Da (IEC-EX) EPL Db (GB) EPL Db (IEC-EX) EPL Ga (GB) EPL Ga (IEC-EX) EPL Gb (GB) EPL Gb (IEC-EX)
Explosive ambient temperature	-20°C ≤ Ta ≤ +80°C
Max. input voltage Vi	see IECEx certificate
Max. input current Ii	see IECEx certificate
Max. input power Pi	see IECEx certificate
Effective internal inductance Li	see IECEx certificate
Effective internal capacitance Ci	see IECEx certificate

Feature	Value
Max. input parameter of intrinsically safe circuit	See IECEx certificate
Certificate issuing authority	Eurocert. SIL202587141 FTZU 24 ATEX 0075 IECEx FTZU 24.0024
Note on materials	RoHS-compliant
Safety integrity level (SIL)	SIL 3
Measured variable	Position
Measuring principle	Mechanical/electrical
Sensing range	0 deg...90 deg
Ambient temperature	-20 °C...70 °C
Switching output	Contact-based (gold)
Switching element function	Toggle switch, single-pin
Max. switching output voltage DC	30 V
Max. output current DC	100 mA
Max. switching capacity DC	3 W
DC operating voltage range	0 V...30 V
Microswitch type	Omron SS-01
Electrical connection	Screw terminal
Electrical connection 1, connection type	Terminal strip
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Rectangular
Electrical connection 1, connection technology	Screw terminal
Electrical connection 1, number of pins/wires	10
Closable nominal conductor cross-section	0.25 mm ² ...2.5 mm ²
Cable fitting	M20x1.5
Dimensions W x L x H	130 mm x 85 mm x 128 mm 130 mm x 85 mm x 138 mm 130 mm x 85 mm x 158 mm 147 mm x 85 mm x 128 mm 147 mm x 85 mm x 138 mm
Type of mounting	as per VDI/VDE 3845
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	Any
Product weight	460 g
Housing colour	Black
Housing material	PA66, electrically conductive
Seals material	NBR
Shaft material	PA
Material of screws	Stainless steel
Material of mounting bracket	PA66, electrically conductive
Circlip material	High-alloy stainless steel
Disc material	High-alloy stainless steel
Protective cap material	PC
Mounting adapter material	PA66, electrically conductive
Switching status indication	Optical
Position indicator	Yellow/red
Angle detection setting range	0 deg...90 deg
Storage temperature	-20 °C...50 °C
Degree of protection	IP66 IP67
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Corrosion resistance class (CRC)	3 - High corrosion stress

Feature	Value
LABS (PWIS) conformity	VDMA24364 zone III
Contamination level	3