

# Limit switch box SRBK-CA4-YR90-MW-1-1W-M12

Part number: 8182181

FESTO



## Data sheet

Feature	Value
Note on materials	RoHS-compliant
Measured variable	Position
Measuring principle	Mechanical/electrical
Sensing range	0 deg...90 deg
Ambient temperature	-20 °C...70 °C
Switching output	Contact-based
Switching element function	Toggle switch, single-pin
Max. switching output voltage DC	30 V
Max. output current DC	1000 mA
Max. switching capacity DC	30 W
DC operating voltage range	0 V...30 V
Microswitch type	Omron SS-5
Electrical connection	M12x1
Electrical connection 1, connection type	Plug
Electrical connection 1, cable outlet	Straight
Electrical connection 1, design	Round
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	8
Cable fitting	M20x1.5
Dimensions W x L x H	143 mm x 85 mm x 128 mm 143 mm x 85 mm x 138 mm 143 mm x 85 mm x 158 mm 159 mm x 85 mm x 128 mm 159 mm x 85 mm x 138 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	Any
Product weight	500 g
Housing colour	Black
Housing material	PA
Seals material	NBR
Shaft material	PA

Feature	Value
Material of screws	Stainless steel
Material of mounting bracket	PA
Circlip material	High-alloy stainless steel
Protective cap material	PC
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
LABS (PWIS) conformity	VDMA24364 zone III
Contamination level	3