

# Rope pull switch Series SRM

Description **SRM A2Z/U1Z-QF-300-E**

Article number **6012999097**

**Operating symbol**

**Connection of teleindication for monitoring the ropetension**

**Operating diagram**

	S1		S2		
	11-12	21-22	11-12	23-24	2-3
+6 mm	On	Off	On	Off	300 N
+4.8 mm	On	Off	On	Off	Latch
+4 mm	On	Off	On	Off	
+3 mm	On	Off	On	Off	
0 mm	On	Off	On	Off	228 N
-3 mm	On	Off	On	Off	Latch
-4 mm	On	Off	On	Off	
-4.8 mm	On	Off	On	Off	
-6 mm	On	Off	On	Off	156 N

On     Off

Tolerance:  
Operating point  $\pm 0,5$  mm  
Actuating force  $\pm 15$  %

**Electrical data**

Rated insulation voltage	$U_i$	250 V AC
Conv. thermal current	$I_{the}$	10 A
Rated operational voltage	$U_e$	240 V
Utilization category		AC-15, $U_e / I_e$ 240 V / 3 A, $U_e / I_e$ 120 V / 6 A DC-13, $U_e / I_e$ 250 V / 0,27 A, $U_e / I_e$ 125 V / 0,55 A
Direct opening action	$\ominus$	acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 6 A gG
Protection class		I

Electrical data teleindication		
Rated operational voltage	$U_e$	10-30 V DC
Rated operational current	$I_e$	50 mA
Utilization category		DC-13
Short-circuit protection		yes
False polarity protection		yes
Connection		3-pole screw clamp, conductor cross-section $\leq 1,5 \text{ mm}^2$

Mechanical data	
Enclosure	Al-die cast
Cover	Al-die cast
Actuator	Quick clamping device with integrated turnbuckle (Zn-die cast)
Emergency Stop	PA, glass fibre reinforced
Ambient air temperature	-30 °C ... +80 °C (no freezing over/ no condensation)
Contact type	3 NC, 1 NO (Zb) (2 built-in switches S1+S2)
Latching device	acc. to IEC 60947-5-5, DIN EN 60947-5-5, ISO 13850 (DIN EN 418)
Reset facility	pull of the emergency stop acc. to IEC/EN 60947-5-5
Mechanical life	acc. to IEC 60947-5-5 max. $1 \times 10^5$ operating cycles
Rope length	$\leq 75 \text{ m}$ (depends on the max. temperature variation)
Rope $\varnothing$	$D = \varnothing 2 - 5 \text{ mm}$
Switching frequency	$\leq 20/\text{min.}$
Assembly	4 x M6 or 4 x M5
Connection	8 screw terminals (M3,5)
Conductor cross-sections	Solid: 0,5 ... 1,5 $\text{mm}^2$ Litz wire with ferrules: 0,5 ... 1,5 $\text{mm}^2$
Cable entrance	3 x M20 x 1,5
Weight	$\approx 1,0 \text{ kg}$
Installation position	Operator definable
Protection type	IP67 acc. to IEC/EN 60529

ID for safety engineering	
B10d	$2 \times 10^5$ cycles

Standards	
	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
	VDE 0660 T210, DIN EN 60947-5-5, IEC 60947-5-5
	ISO 13850
	DIN EN ISO 13849-1

EU Conformity	
	acc. to directive 2006/42/EC

Approvals	
	DGUV
	CCC
	cCSA <sub>US</sub> A300

**Notes**

The degree of protection (IP code) specified applies solely to a property closed cover and the use of an equivalent cable gland with adequate cable.

Maintenance-free installation.

Rope with accessories is available on demand.