

# Rope pull switch

## Series SRM

Description **SRM U1Z/U1Z-LU-300-E**

Article number **6012921092**

**Operating symbol**

**Connection of teleindication for monitoring the ropetension**

**Operating diagram**

| Terminal | S1  | S2  | Force |
|----------|-----|-----|-------|
| 11-12    | On  | On  | 300 N |
| 23-24    | Off | Off | Latch |
| 2-3      | Off | Off | 228 N |
| 11-12    | Off | Off | Latch |
| 23-24    | On  | On  | 156 N |
| 2-3      | On  | On  | Latch |

On  
 Off

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

Dimensions: 48, 40, 127, 85.5, 8, 72, 83, 90, 78, 10, 20.5, 8.5,  $\phi 6.5$ ,  $\phi 5.4$ , 30.5, 26, 20.5, 30.5, 53, 88, M20x1.5.

max. = 197 / min. = 185

| 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<br>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                 | Pull ring (Zn-die cast)  |
| Emergency Stop           | PA, glass fibre reinforced   |
| Ambient air temperature  | -30 °C ... +80 °C (no freezing over/ no condensation)                                  |
| Contact type             | 2 NC, 2 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 $\text{mm}^2$<br>Litz wire with ferrules: 0,5 ... 1,5 $\text{mm}^2$ |
| Cable entrance           | 3 x M20 x 1,5  |
| Weight                   | $\approx 0,77 \text{ kg}$  |
| 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.