

# Technical Data

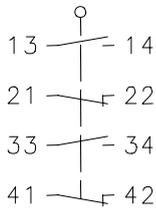
## Metal Switches

### Series D

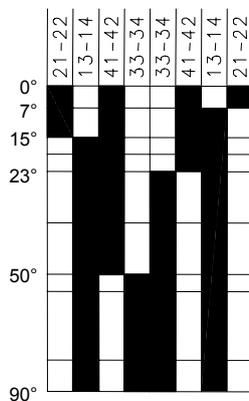
Description **D-SU2 VKS 90GR**

Article number **6142200765**

#### Operating symbol

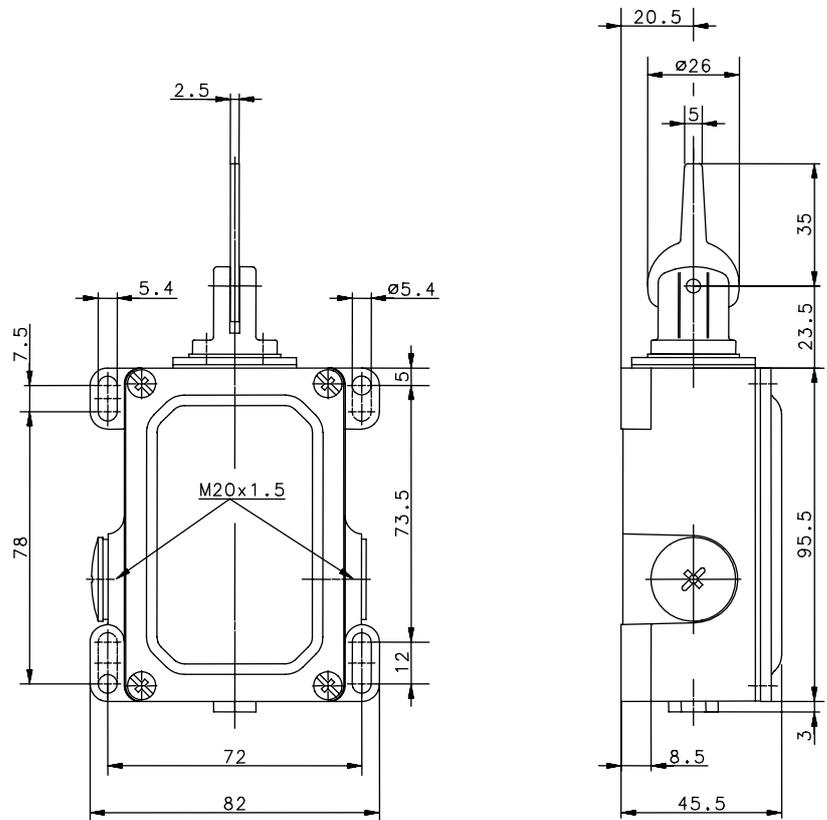


#### Operating diagram



Self arresting off 33°

  Tolerances  
 Operating point:  $\pm 3,5^\circ$ ;  
 Operating torque:  $\pm 10\%$



#### Electrical data

|                                 |           |                            |
|---------------------------------|-----------|----------------------------|
| Rated insulation voltage        | $U_i$     | 400 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 |
| Short-circuit protective device |           | Fuse 2 A gL/gG             |
| Protection class                |           | I                          |

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## Metal Switches



| Mechanical data          |  |
|--------------------------|--|
| Enclosure                | Die-cast aluminium   |
| Cover                    | Sheet aluminium  |
| Actuator                 | Lever (St)   |
| Ambient air temperature  | -40 °C/ +80 °C   |
| Contact type             | 2 NO, 2 NC   |
| Mechanical life          | 1 x 10 <sup>6</sup> operating cycles   |
| Switching frequency      | ≤ 50 / min.  |
| Assembly                 | 4 x M5   |
| Connection               | 8 screw terminals (M3,5)   |
| Conductor cross-sections | Solid: 0,5 ... 1,5mm <sup>2</sup><br>Litz wire with ferrules: 0,5 ... 1,5mm <sup>2</sup> |
| Cable entrance           | 2 x M20 x 1,5  |
| Weight                   | ≈ 0,4 kg   |
| Installation position    | Operator definable   |
| Protection type          | IP65 acc. to IEC/EN 60529  |

**Actuation**

The actuating device is preferably started from 2 sides.  
By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 4 actuation directions are possible.  
The actuation assembly is to be again fastened to the housing using the 4 screws.

|                  |  |
|------------------|--|
| <b>Standards</b> | VDE 0660 T100, DIN EN 60947-1, IEC 60947-1<br>VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1 |
|------------------|--|

|                      |           |
|----------------------|-----------|
| <b>EU Conformity</b> | <b>CE</b> |
|----------------------|-----------|

|                  |                               |
|------------------|-------------------------------|
| <b>Approvals</b> | c CSA US A300 (same polarity) |
|------------------|-------------------------------|

**Notes**

The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent cable gland with adequate cable. The switch has to be protected from all kinds of weather conditions.