

# Technical Data

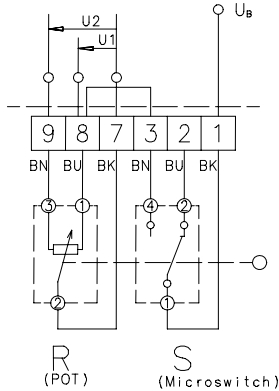
## Foot-switch

### Series F1

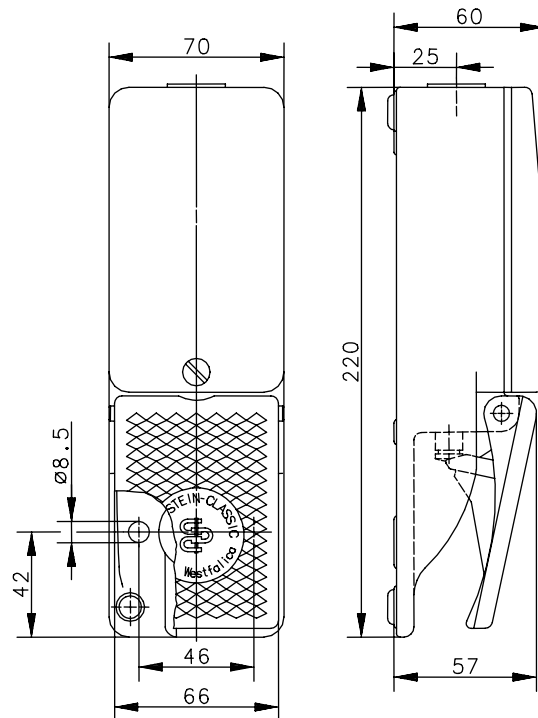
Description **F1-SU1 MI RG 10K2W**

Article number **6161300327**

#### Connection example



#### Wiring diagram



| Electrical data                 |   | Microswitch                              | Potentiometer (POT)            |
|---------------------------------|---|------------------------------------------|--------------------------------|
| Calibration current             | I | 5 A                                      | —                              |
| Sliding contact                 | I | —                                        | ≤ 100 mA                       |
| Load                            | P | —                                        | 2 W / 70 °C                    |
| Max. enduring current           | U | 250 V AC                                 | $U_{\max} = \sqrt{P \times R}$ |
| Connection resistance           | R | —                                        | 10K ±10%                       |
| Short-circuit protective device |   | —                                        | Fuse                           |
|                                 |   | 2 A gL / gG                              | F 50 mA                        |
| Protection class                |   | I (referred to the complete foot-switch) |                                |

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# Technical Data

## Foot-switch



| Mechanical data          |               |                                                         |
|--------------------------|---------------|---------------------------------------------------------|
| Enclosure                |               | AL, die-cast                                            |
| Cover                    |               | AL, die-cast                                            |
| Actuator                 |               | Foot lever (PA)                                         |
| Ambient air temperature  |               | -25 °C ... +80 °C                                       |
| Contact type             |               | 1 changeover, 1 potentiometer (10 kΩ)                   |
| Operating force          |               | Approx. 10 N (pedal centre)                             |
| Mechanical life          | Microswitch   | 10x10 <sup>6</sup> operating cycles                     |
|                          | Potentiometer | 50000 rotation cycle                                    |
| Switching frequency      |               | Max. 20 / min                                           |
| Assembly                 |               | 2 x M8                                                  |
| Connection               |               | screw terminals (M2)                                    |
| Number of connections    |               | 6 x M2                                                  |
| Protection ground        |               | 2 x M4                                                  |
| Conductor cross-sections |               | Solid: ≤ 1 mm <sup>2</sup>                              |
|                          |               | Litz wire with or without ferrules: ≤ 1 mm <sup>2</sup> |
| Cable entrance           |               | 1 x M20x1,5                                             |
| Weight                   |               | Approx. 0,75 kg                                         |
| Protection type          |               | IP65 in accordance with IEC/EN 60529                    |
| Regulations Microswitch  |               |                                                         |
|                          |               | DIN EN 61058-1 (VDE 0630 Teil 1): 1993-05               |
|                          |               | DIN EN 61058-1: 1992 ÷ A1: 1993-05                      |
|                          |               | Low voltage guideline 73/23/EWG                         |
| EU Conformity            |               | CE                                                      |

### Notes

Not used tapped holes must be closed with pegs. The degree of protection (IP code) specified applies solely to a properly closed cover and the use of an at least equivalent cable gland or blind plugs.

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