

**SN05D12-502-M (Order no. 082159)**

## Series SN... 12 mm, mechanical

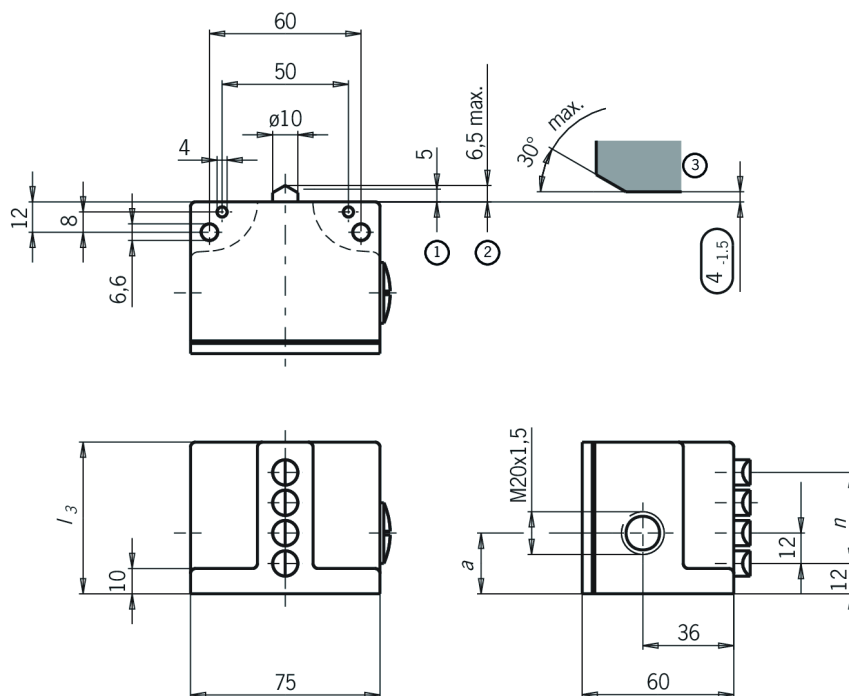
- ▶ Plunger spacing 12 mm
- ▶ Upright housing, small flange
- ▶ Degree of protection IP67 according to IEC 60529



## Switching element

ES 502 E Snap-action switching contact 1 NC + 1 NO

## Dimensional drawings

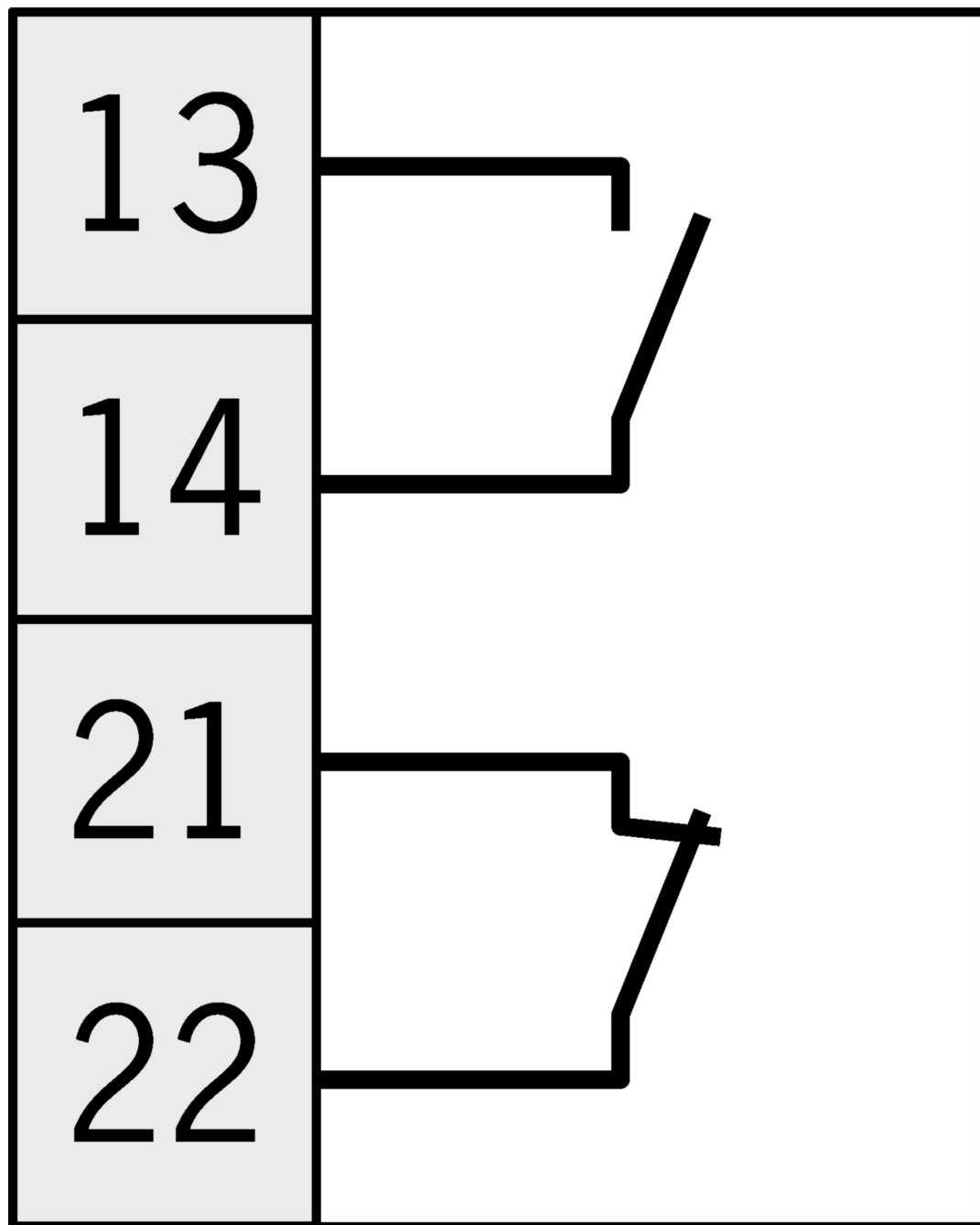


|                                                                                                                          |          |          |
|--------------------------------------------------------------------------------------------------------------------------|----------|----------|
| 6                                                                                                                        | 84       | 24       |
| 5                                                                                                                        | 72       | 24       |
| 4                                                                                                                        | 60       | 24       |
| 3                                                                                                                        | 48       | 24       |
| 2                                                                                                                        | 36       | 19       |
| <b>n</b><br>Anzahl der<br>Stöße<br> | <b>l</b> | <b>a</b> |

- 1 Operating point
- 2 Free position
- 3 Dog
- 4n Number of plungers

Connection examples

# ES 502 E



## Technical data

### Approvals



### Electrical connection values

|                                 |                              |
|---------------------------------|------------------------------|
| Fuse                            | max. 8 A gG                  |
| Connection cross section        | 0.34 ... 1.5 mm <sup>2</sup> |
| Rated insulation voltage $U_i$  | 250 V                        |
| Rated impulse voltage $U_{imp}$ | 2.5 kV                       |
| Utilization category            |                              |
|                                 | AC-15 6 A 230 V              |
|                                 | AC-12 8 A 250 V              |
|                                 | DC-13 6 A 24 V               |
| Switching current               |                              |
|                                 | min. at DC 12V min. 10 mA    |
| thermal rated current $I_{th}$  | 8 A                          |

### Mechanical values and environment

|                              |                                                                                                                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Anfahrsgeschwindigkeit       | 0.01 ... 40 m/min                                                                                                                                                                                                                        |
| Connection type              |                                                                                                                                                                                                                                          |
|                              | 2 x M20 x 1.5                                                                                                                                                                                                                            |
| Number NC contacts           | 5                                                                                                                                                                                                                                        |
| Number of switching elements | 5                                                                                                                                                                                                                                        |
| Number of NO contacts        | 5                                                                                                                                                                                                                                        |
| Design                       | upright                                                                                                                                                                                                                                  |
| Actuating element            | Chisel plunger<br>(Operating point accuracy $\pm 0.002$ . The reproducible operating point accuracy refers to the axial travel of the plunger after the switching element ES 502 E has been run-in with approx. 2,000 operating cycles.) |
| Actuating force              | min. 20 N                                                                                                                                                                                                                                |
| Installation orientation     | any                                                                                                                                                                                                                                      |