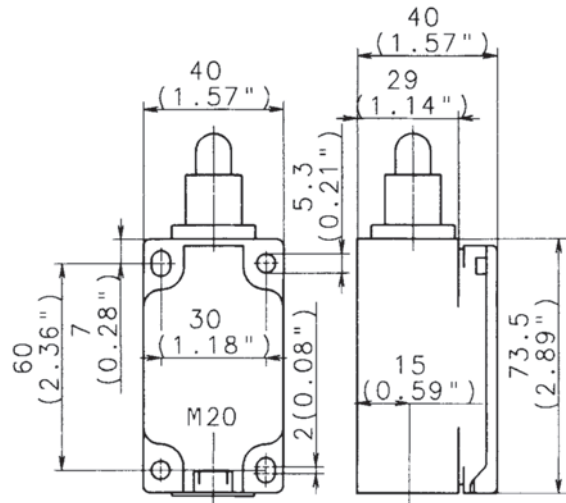


## ENK Series



### Recommended use

Thanks to its standard size design and its metal actuators, the ENK limit switch is particularly suitable for applications requiring a sturdy switch made of plastic.


### Product advantages

- Standard switch conforming to DIN EN 50041
- Standard actuator conforming to DIN EN 50041, Type A, B, C, D
- Protection class IP65 to VDE 0470 T1
- Enclosure and cover PA 6, (UL-94-V0)
- Actuator can be repositioned by 4 x 90°
- Cable entry M20 x 1.5
- Connection designation conforming to DIN EN 50013
- Metal actuators for high loads

### Options

- Available with M12 connector
- AS interface variants available
- Preassembled with customer-specific cables and connectors on request

### Design layout

- Slow-action and snap-action contacts
- Versions: 1 NC/1NO, 2 NC, 3 NC, overlapping contacts
- Latching function on request
- All NC contacts with  in the circuit diagram are positively opening contacts
- Type: Zb (galvanically isolated changeover contact)

### Mounting

- 2 adjustment slots for M5 screws
- 2 holes for M5 mounting screws in safety applications

### Installation advantages

- Snap-on cover can be released with screwdriver
- Cover opening range 150° (cover can also be detached from hinge)
- Cover protects switching element during installation
- Screw connections with self-lifting clamping plates
- Easy to install cover lock (close and press)

### Technical data

| Electrical data                                   |                                                                                               |          |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------|----------|
| Rated insulation voltage                          | U <sub>i</sub> max.                                                                           | 400 V AC |
| Conventional thermal current (up to) <sup>1</sup> | I <sub>the</sub>                                                                              | 10 A     |
| Rated operating voltage                           | U <sub>e</sub> max.                                                                           | 240 V    |
| Utilization category                              | AC-15, U <sub>e</sub> /I <sub>e</sub> 240 V/3 A                                               |          |
| Short-circuit protection (up to) <sup>1</sup>     | Fuse 10 A gL/gG                                                                               |          |
| Protection class                                  | II, Insulated                                                                                 |          |
| Mechanical data                                   |                                                                                               |          |
| Enclosure material                                | Thermoplastic, glass fibre-reinforced                                                         |          |
| Ambient temperature                               | -30 °C to +80 °C                                                                              |          |
| Mechanical service life (up to) <sup>1</sup>      | 10 x 10 <sup>6</sup> switching cycles                                                         |          |
| B10d (up to) <sup>1</sup>                         | 20 Mio.                                                                                       |          |
| Switching frequency                               | ≤ 100/min.                                                                                    |          |
| Type of connection                                | Screw connections                                                                             |          |
| Conductor cross sections                          | Single-wire 0.5 - 1.5 mm <sup>2</sup> or Stranded wire with ferrule 0.5 - 1.5 mm <sup>2</sup> |          |
| Cable entry                                       | 1 x M20 x 1.5 ≈ 0.15 kg                                                                       |          |
| Protection class                                  | IP65 conforming to EN 60529; DIN VDE 0470 T1                                                  |          |
| Standards                                         |                                                                                               |          |
| VDE 0660 T100, DIN EN 60947-1, IEC 60947-1        |                                                                                               |          |
| VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1    |                                                                                               |          |

<sup>1</sup> Depending on switching system.

Drawing dimensions in mm