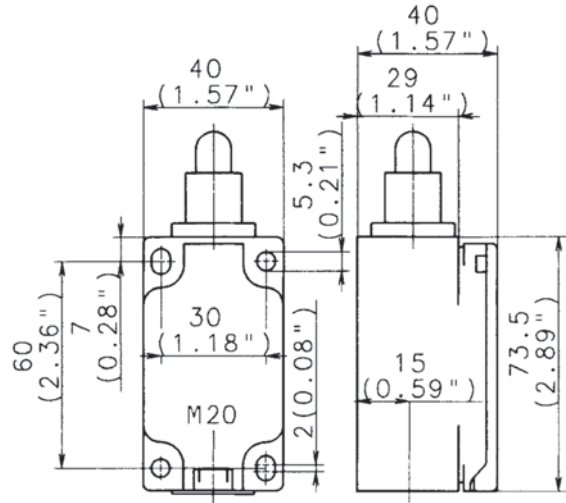


ENK Series



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 _i max.	400 V AC
Conventional thermal current (up to) ¹	I _{the}	10 A
Rated operating voltage	U _e max.	240 V
Utilization category	AC-15, U _e /I _e 240 V/3 A	
Short-circuit protection (up to) ¹	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) ¹	10 x 10 ⁶ switching cycles	
B10d (up to) ¹	20 Mio.	
Switching frequency	≤ 100/min.	
Type of connection	Screw connections	
Conductor cross sections	Single-wire 0.5 - 1.5 mm ² or Stranded wire with ferrule 0.5 - 1.5 mm ²	
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		

¹ Depending on switching system.

Drawing dimensions in mm