

# Technical Data

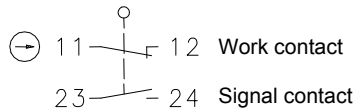
## Safety switch

### Series ENK – with separate actuator

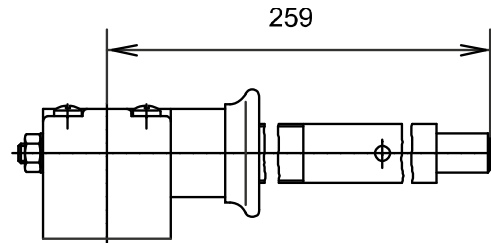
Description **ENK-U1Z VT 270GR**

Article number **6181100159**

Operating symbol



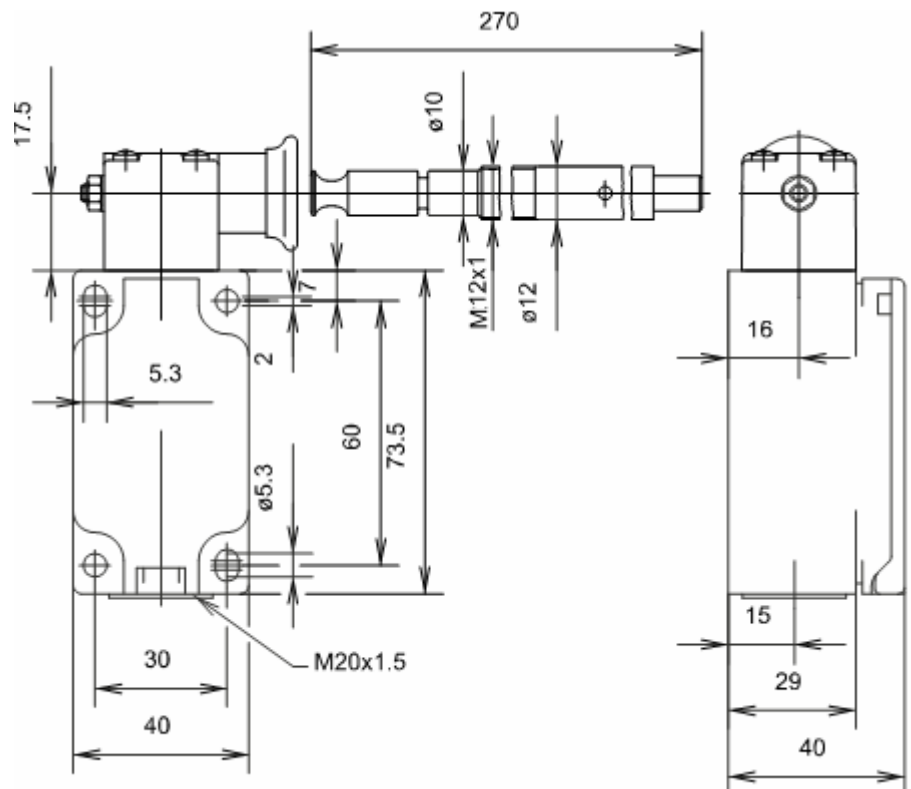
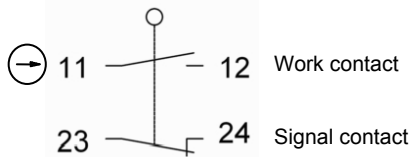
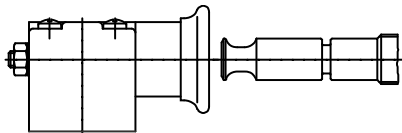
installation dimension, working position



Actuation process

Minimum opening way 40 mm

N.C power ca. 40 N



### 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 |
| Positive opening NC contact     |  | IEC/EN 60947-5-1, Annex K    |
| Short-circuit protective device |                                                                                     | Fuse 10 A gG                 |
| Protection class                |                                                                                     | II, totally insulated        |

This document will not become the contractual basis; the details included herein do not constitute any descriptions of expected conditions, so that warranties/claims for defects on account of possible variations of the actual qualities from the qualities described herein are explicitly excluded. All rights reserved. Specifications subject to change without notice!

Date of issue: 24.08.2012 / Page 1 of 2  
Document : 6181100159\_en / Last update: 1 / 2186-00

# Technical Data

## Safety switch



### Mechanical data

|                          |                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------|
| Enclosure                | Thermoplastic, glass fibre reinforced (UL 94-V0)                                           |
| Cover                    | Thermoplastic, glass fibre reinforced (UL 94-V0)                                           |
| Actuator                 | Separate actuator                                                                          |
| Ambient air temperature  | -30 °C ... +80 °C                                                                          |
| Contact type             | 1 N.C, 1 N.O (Zb)                                                                          |
| Mechanical life          | 10 x 10 <sup>6</sup> switching cycles                                                      |
| Switching frequency      | ≤ 100 / min.                                                                               |
| Assembly                 | 4 x M5                                                                                     |
| Connection               | 4 screw connections (M3,5)                                                                 |
| Conductor cross-sections | Solid: 0,5 ... 1,5 mm <sup>2</sup><br>Litz wire with ferrules: 0,5 ... 1,5 mm <sup>2</sup> |
| Cable entrance           | 1 x M20 x 1,5                                                                              |
| Weight                   | ≈ 0,41 kg                                                                                  |
| Installation position    | Operator definable                                                                         |
| Protection type          | IP65 acc. to EN 60529; DIN VDE 0470 T1                                                     |

### Kennzahlen für Sicherheitstechnik

|      |                                  |
|------|----------------------------------|
| B10d | 2 x 10 <sup>6</sup> Schaltspiele |
|------|----------------------------------|

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

|               |                              |
|---------------|------------------------------|
| EU Conformity | acc. To directive 2006/95/EG |
|---------------|------------------------------|

### Approvals

UL  
cCSA<sub>US</sub> A300 (same polarity)

### Notes

The degree of protection (IP code) specified applies solely to a properly closed cover and the use of an equivalent cable gland with adequate cable and in working position from the actuator.  
The actuator must be protected especially to prevent the circumvention or loosening.  
The sliding surfaces are oiled from time to time according.

This document will not become the contractual basis; the details included herein do not constitute any descriptions of expected conditions, so that warranties/claims for defects on account of possible variations of the actual qualities from the qualities described herein are explicitly excluded. All rights reserved. Specifications subject to change without notice!

Date of issue: 24.08.2012 / Page 2 of 2  
Document : 6181100159\_en / Last update: 1 / 2186-00

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Altech:](#)

[618.1100.159](#)