Plastic bodied limit switch
Series ENK

Description **ENK-U1Z AHS 270GR VS**	Article number **6181135240**

Operating symbol
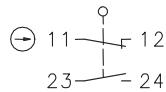
Operating diagram

On   Off
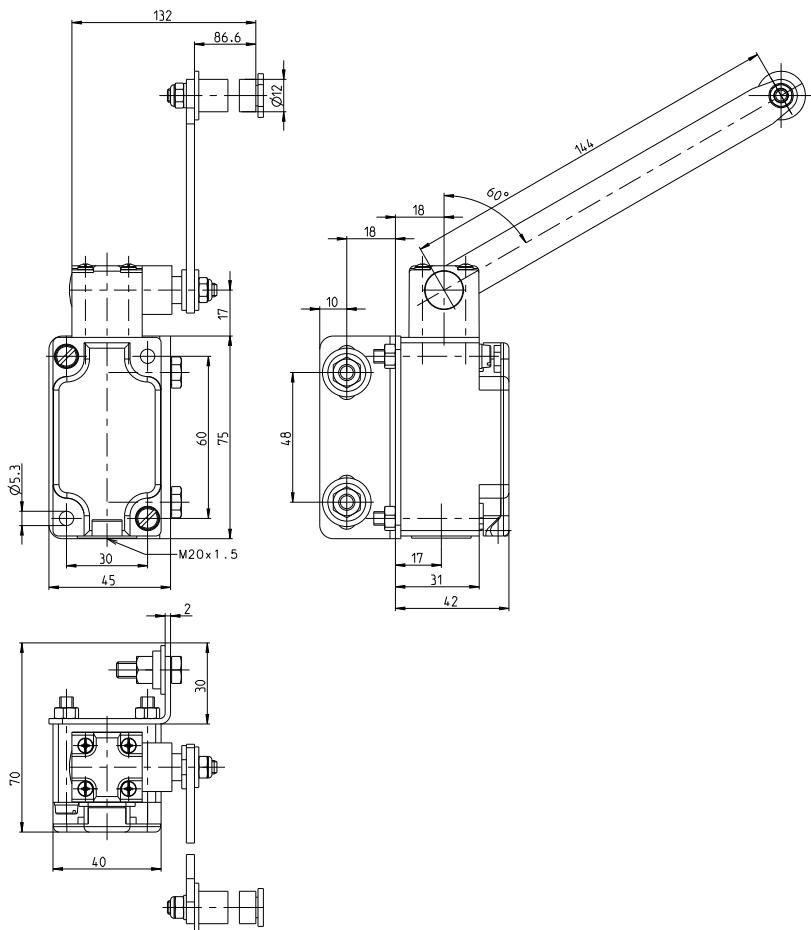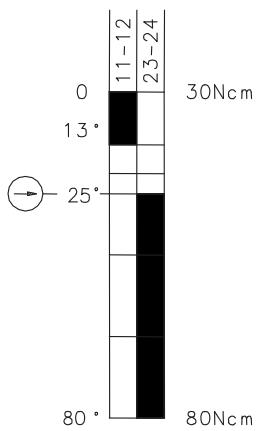
Tolerance:
Operating Point ± 3,5°;
Operating torque ± 10 %

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 operation	⟲	acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 10 A gG
Protection class		II, totally insulated

Technical modifications and errors excepted.
The technical datasheet corresponds to the technical state as of 2018-05-24 and will not be removed in case of changes.

Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced
Cover	Thermoplastic, glass fibre reinforced
Actuator	Turret head (Zn die-casting), lever (steel), roller (thermoplastic)
Ambient air temperature	-30 °C ... +80 °C
Contact type	1 NC, 1NO (Zb)
Mechanical life	10×10^6 operating cycles
Switching frequency	≤ 100 / min.
Assembly	1 x mounting bracket, 2 x cylinder screw M5, 2 x hexagon nut, 2 x hexagon screw M6, 2 x washer Ø5.3, 2 x washer Ø6.4
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0,5 ... 1,5 mm² or Litz wire with ferrules: 0,5 ... 1,5 mm²
Cable entrance	1 x M20 x 1,5
Weight	≈ 0,43 kg
Installation position	operator definable
Protection type	IP65 acc. to EN 60529

ID for safety engineering	
B10d	20×10^6 cycles

Actuation
The actuating device is preferably started from 2 sides. By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 8 actuation directions are possible. The actuation assembly is to be again fastened to the housing using the 4 screws.

Standards
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
DIN EN ISO 13849-1

EU Conformity
acc. to directive 2014/35/EU (Low-Voltage-Directive)

Approvals
$_C$CSA$_{US}$ A300 (same polarity)
UL

Notes
The degree of protection (IP code) specified applies solely to a property closed cover and the use of an equivalent cable gland with adequate cable.