

# Plastic bodied limit switch Series ENK

Description <b>ENK-A2Z VTU</b>	Article number <b>6116669058</b>
--------------------------------	----------------------------------

**Operating symbol**

**Operating diagram**

41 mm withdrawn

On   
  Off   
 Tolerance:  
Actuating force  $\pm 10\%$

**Delivery status (actuator enclosed)**

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
Direct opening action	$\ominus$	acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 6 A gG
Protection class		II, totally insulated

Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0), black
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0), black
Actuator head	PA6 GV/Zn-GD
Actuator	Separate actuator (Steel / PA)
Minimum actuating radius	$R_{min}$ 400 mm
Velocity for actuating	$V_{max}$ $\leq 0,5$ m/s
Extraction force	$\leq 20$ N
Ambient air temperature	-30° C ... +80° C
Contact type	2 NC (Zb)
Mechanical life	1 x 10 <sup>6</sup> operating cycles
Switching frequency	$\leq 30$ / min.
Assembly	4 x M5
Connection	4 screw connections (M3,5)
Conductor cross-sections	Solid: 0,5 ... 1,5 mm <sup>2</sup> or Litz wire with ferrules: 0,5 ... 1,5 mm <sup>2</sup>
Cable entrance	1 x cable gland M20x1,5 (clamp-range 5 – 10 mm)
Weight	$\approx 0,23$ kg
Installation position	operator definable
Protection type	IP65 acc. to IEC/EN 60529

ID for safety engineering	
B10d	2 x 10 <sup>6</sup> switching cycles

Actuation	
8 different actuating directions achievable by rotating the actuating head in steps 45°. Changing between horizontal and vertical actuating direction by setting the actuating head in the requested direction.	

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 2006/42/EC	

Approvals	
DGUV	
cCSA <sub>US</sub> A300 (same polarity)	

Notes	
The specified protection classification (IP code) applies only when the cover is closed and the appropriate cable is used, in accordance with the clamping range of the above mentioned cable gland. The switch may not be used as a mechanical stop.	