

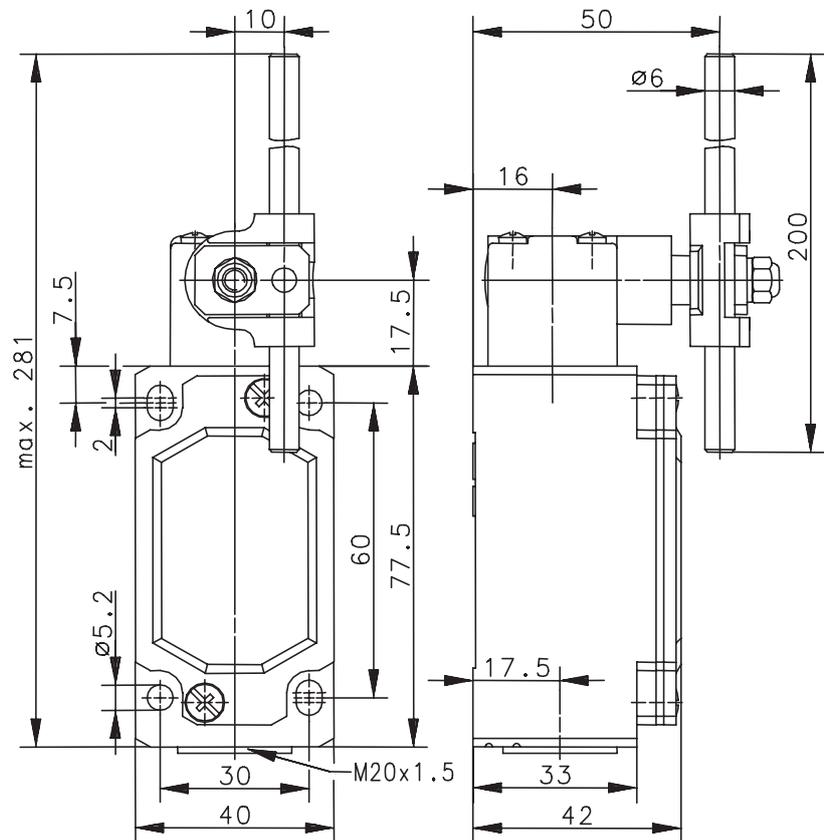
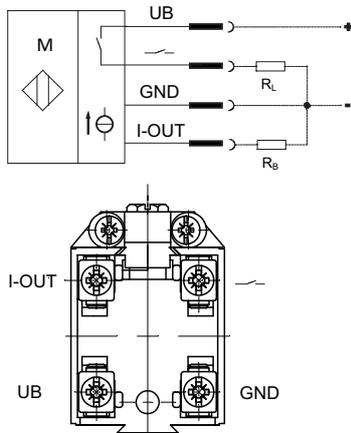
# Metal bodied limit switch

## Series ENM2

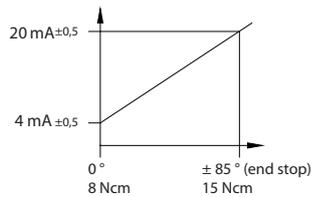
Description **ENM2-AI4- 20 AD**

Article number **6187037134**

### Wiring diagram



### Characteristic



No torque increase allowed after end stop.

<b>Electrical Data</b>	
Rated operating voltage range	$U_B$ 12 - 26 V DC
Idle current	$I_o$ < 25 mA
Short-circuit protection type switching element	synchronising, permanently short-circuit and overload protected
Reverse polarity	yes
Readiness delay	$t_v$ < 50 ms
Protection class	I
<b>Analogue output</b>	
Current output	4 – 20 mA
Linearity errors max.	± 2,5 % from the end value (20 mA), $U_B$ and temperature at a constant level
Temperature errors max.	± 10 % $U_B$ constant level
Repetition accuracy	R ≤ 2 % from the end value (20 mA), $U_B$ and temperature at a constant level
max. load resistor	$R_B$ 400 Ω
<b>Switching output</b>	
switching element function	S PNP NO (teachable)
Hysteresis	H ≈ 10 %
Voltage drop	$U_d$ ≤ 1,6 V
Utilization category	DC 12
Rated operational currents	$I_e$ 200 mA
Minimum operating current	$I_m$ 1 mA
Residual current	$I_r$ < 0,1 mA

<b>Mechanical data</b>	
Enclosure	Die-cast aluminium
Cover	Sheet aluminium
Actuator	Lever arm housing (Zn-DG), rod (Al)
Ambient air temperature	-30 °C ... +80 °C
Mechanical life	10 x 10 <sup>6</sup> switching cycles
Switching frequency	≤ 100 / min.
Assembly	4 x M5
Connection	screw connections (M3,5)
Conductor cross-sections	Solid: 0,5 – 1,5 mm <sup>2</sup> Litz wire with or without ferrules: 0,5 – 1,5 mm <sup>2</sup>
Cable entrance	1 x M20 x 1,5
Weight	≈ 0,21 kg
Installation position	operator definable
Protection type	IP65 acc. to IEC/EN 60529

<b>Actuation</b>
<p>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.</p>

<b>Standards</b>
EN 60947-5-7

<b>EU Conformity <sup>1)</sup></b>
acc. to directive 2014/30/EU (EMC-Directive)

**Notes**

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

<sup>1)</sup>To be conform with the EMV guideline (2014/30/EU) a shielded connection cable has to be used.