

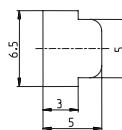
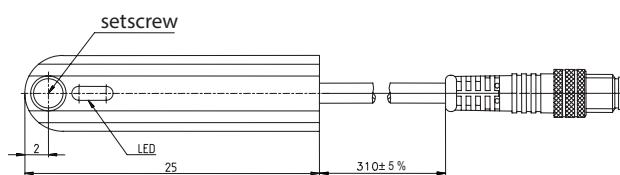
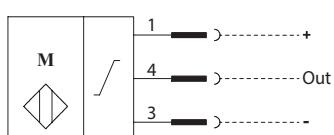
## Magnetic Sensor

### Series E30

Description **MEA-E30A10/H50-KL0,3S8**

Article number **6370099169**

#### Wiring diagram



#### Identifying characteristics in accordance with EN 60947-5-7

##### Electrical data

Rated operating voltage range	$U_B$	15 - 30 VDC
Voltage output		0 - 10 V
Linearity errors		max. ± 10 % from the end value (10 V), $U_B$ and temperature at a constant level
Temperature errors		max. ± 2 % $U_B$ constant level
Magnetic sensitivity		50 mV / mT (max. ± 30 mT)
Repeat accuracy	R	≤ 2 % from the end value (10 V), $U_B$ and temperature at a constant level
No-load supply current	$I_0$	< 15 mA
Utilization category		DC 12
Residual ripple		≤ 2 % $V_{ss}$
Analogue output		permanently short-circuit and overload protected
Sample frequency	f	400 Hz
Response time for switching on		below 50 ms
Min. load resistance		10 kΩ (24 V DC)
Mounting		from side into a T-Groove
False polarity protection		yes

##### Electromagnetic compatibility (EMC)

acc. to EN 60947-5-7

##### Mechanical data

Enclosure	AlMgSi0,5 (aluminium)
Ambient air temperature	+5 °C ... + 55 °C
Type of protection	IP 67 acc. to IEC 529, EN 60529 (only in fully locked position with its plugs)
Function indication	LED, yellow
Termination type	Cable, PUR-Outer jacket, grey, shielded; with male connector M8
Attachment	1 x setscrew M2 x 3, DIN 913 1 x allen wrench 1 x magnetic programming tool

##### EU Conformity

acc. to directive 2004 / 108 / EC

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##### Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2015-12-14 and will not be removed in case of changes.

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