

Technical Data

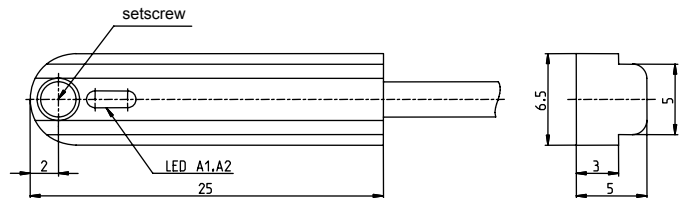
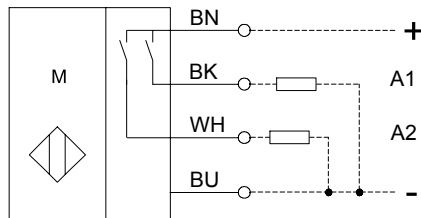
Magnetic proximity sensor

Series E30

Type designation **MEA-E30PS/HP-KL2**

Item number **6370299136**

Wiring diagram



Identifying characteristics in accordance with EN 60947-5-2

Electrical data

Magnetic sensitivity		$\pm 1,5 \text{ mT} \dots \pm 13,5 \text{ mT}$
Switching element function		DC, N.O., open collector, 2 switching points programmable
Repeat accuracy	R	$\leq 0,1 \text{ mT}$ (constant U_B and ambient air temperature)
Differential travel (hysteresis)	H	$1 \text{ mT} \leq H \leq 1,35 \text{ mT}$
Operational voltage range	U_B	10 - 30 VDC
Rated insulation voltage	U_i	75 VDC
Voltage drop	U_d	$< 2 \text{ V} @ 50 \text{ mA}$
Utilization category		DC-12
Rated operational current	I_e	$\leq 50 \text{ mA}$ (1 output activated) $\leq 25 \text{ mA}$ per output (both outputs activated)
Leakage current		$< 25 \mu\text{A}$
No-load supply current	I_o	$< 10 \text{ mA}$ (not activated)
Rated conditional short-circuit current		100 A
Switching element		Hall
Short-circuit protection		pulsed
Mounting		from side into a T-Groove
False polarity protection		yes

Electromagnetic compatibility (EMC)

Electromagnetic field test	IEC 61000-4-3
Electrostatic discharge test	IEC 61000-4-2
Electrical fast transient immunity test (Burst)	IEC 61000-4-4
Conducted disturbances, inducted by high frequency electromagnetic fields	IEC 61000-4-6
Radiated disturbance field strength	EN 55011

Mechanical Data

Enclosure	AlMgSi0,5 (Aluminium)
Ambient air temperature	-20 °C ... +80 °C (cable fixed mounted)
Type of protection	IP 67 acc. to IEC 529, EN 60529
Function indication	Output A1 LED orange, output indication / output activated
	Output A2 LED yellow, output indication / output activated
Termination type	Cable 4 x 0,05 mm ² x 2 m $\pm 5 \%$, PUR - Outer jacket, black
Attachment	1 x setscrew M3 x 6 - 45H, DIN 913 1 x programming tool

EU Conformity



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 from the here described condition are excluded. Subject to modifications and amendments.

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