

# Technical Data

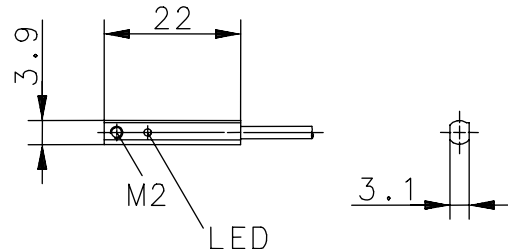
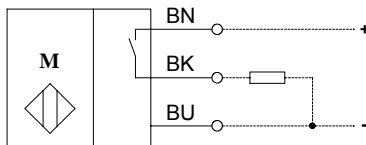
## Magnetic sensors

### Series E22

Type designation **MEK-E22PS/HP1-KL2**

Item number **6372281154**

#### Wiring Diagram



#### Identifying characteristics in accordance with EN 60947-5-2

##### Electrical data

Magnetic sensitivity		Factory setting 3 mT (south activated) adjustable 0,8 mT ... 27 mT (north / south activated)
Switching element function		DC, N.O., open collector
Repeat accuracy	R	≤ 0,1 mT (constant $U_B$ and ambient air temperature)
Differential travel (hysteresis)	H	factory setting 0,8 mT; ≥ 0,3 mT adjustable
Operational voltage range	$U_B$	10 - 30 VDC
Rated insulation voltage	$U_i$	75 VDC
Voltage drop	$U_d$	< 2 V @ 50 mA
Utilization category		DC-12
Rated operational current	$I_e$	≤ 50 mA
Leakage current		< 25 $\mu$ A
No-load supply current	$I_o$	< 10 mA (not actuated)
Switching element		Hall
Short-circuit protection		pulsed
Mounting		from side or from top into a C-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, induced by high frequency electromagnetic fields	IEC 61000-4-6
Radiated disturbance field strength	EN 55011

##### Mechanical data

Enclosure	GV-5H (PA), black
Ambient air temperature	-20°C ... +80°C (cable fixed mounted)
Type of protection	IP 67 acc. to IEC 529, EN 60529
Function indication	LED, yellow; output activated
Termination type	Cable 3 x 0,05 mm <sup>2</sup> x 2 m ± 5 %, PUR-Outer jacket
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

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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