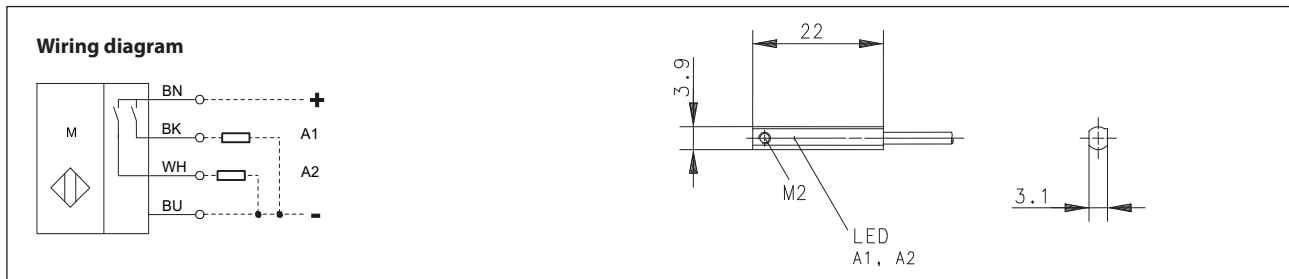


Magnetic Sensor Series E22

Description **MEK-E22PS/HP2-KL2**

Article number **6370281183**



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 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 or 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, inducted by high frequency electromagnetic fields	IEC 61000-4-6
Radiated disturbance field strength	EN 55011

Mechanical data		
Enclosure		PA 12, topaz
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 ±5 %, PUR - Outer jacket, black
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