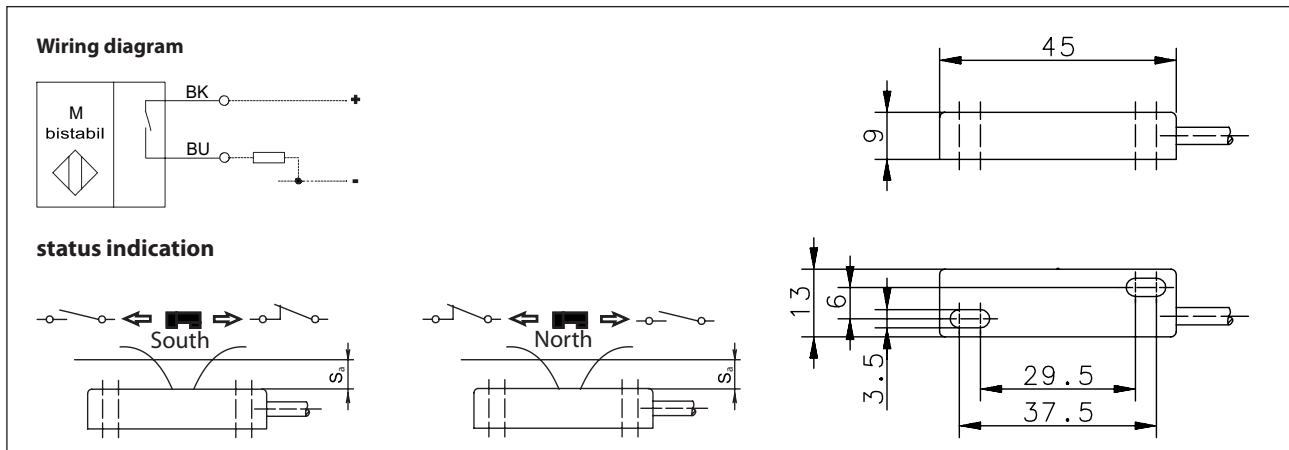


Magnetic Sensor Series E45

Description **MEK-E45PB/M03-1**

Article number **6370401203**



Technical data

Switching function		bistable "N.O.-N.C."
Switching element		GMR typ. 3 mT
Reference magnet		T-62 N/S (6301262039)
Assured operating distance	S_a	2 ... 18 mm
Repeat accuracy	R	$\pm 0,1$ mm, under same geometrical conditions at the same temperature
Time delay before availability	t_v	max. 1 s
Utilization category		DC-13
Frequency of operating cycles	f	20 Hz
Short-circuit protection		no
False polarity protection		yes

Electrical data

Operational voltage range	U_B	10-60 V DC
Voltage drop	U_d	≤ 3 V
Rated operational current	I_e	200 mA
Minimum operating current	I_m	≥ 2 mA
No-load supply current	I_o	≤ 1 mA
Protection class acc. to EN IEC 61558		III (safety extra-low voltage)

Mechanical data

Enclosure		PA6.6, black
Temperature range		- 5 °C ... + 70 °C (cable not fixed mounted) - 25 °C ... + 70 °C (cable fixed mounted)
Shock and Swing		acc. to EN IEC 60947-5-2
Protection type		IP 67 acc. to EN 60529
Termination type		Cable 2 x 0,14 mm ² x 1 m \pm 5 %, PVC - Outer jacket, black
Assembly position		optional (assembly on ferromagnetic material means reduction of switch distance)

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Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2020-12-10 and will not be removed in case of changes.

Standards
EN 60947-5-2
EU Conformity
acc. to directive 2014/30/EU (EMC-Directive)