

Magnetic Sensor

Series E45

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

Article number **6370401203**

Wiring diagram

status indication

Magnet	T-62 N/S
S	2 ... 20 mm
Ø D	23,0 mm
Ø d	4,4 mm
h	10,0 mm

Identifying characteristics in accordance with EN 60947-5-2

Electrical data	
Assured operating distance	S_a 20 mm
Switching element function	bistable "N.O.-N.C."
Operational voltage range	U_B 10-60 V DC
Switching current	200 mA
Voltage drop	U_d ≤ 3 V
Utilization category	DC 13
Rated operational current	I_e max. 200 mA
Minimum operating current	I_m ≤ 2 mA
No-load supply current	I_o ≤ 1 mA
Switching element	GMR typ. 3 mT
Frequency of operating cycles	f 20 Hz
False polarity protection	yes
Short-circuit protection	non-existent
Corresponding magnet	T-62 N/S

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
Radiated disturbance field strength	EN 55011

Mechanical data	
Enclosure	PA 6.6, black
Ambient air temperature	-5 °C ... +70 °C
Type of protection	IP67 acc. to IEC 529, EN 60529
Termination type	Cable 2 x 0,14 mm ² x 1 m ± 5 %, PVC - Outer jacket, black;
Assembly position	optional (assembly on iron means reduction of switch distance)

EU Conformity	
	acc. to directive 2014/30/EU (EMC-Directive)