

# Technical Data

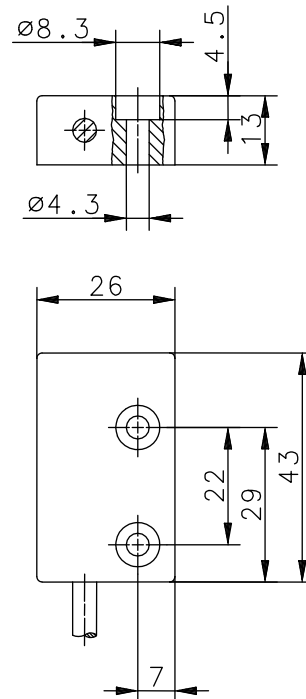
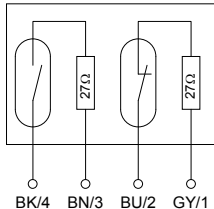
## Coded Magnetic Switch

### Series MA-52

Type designation **MAK-5236-0,6-STK**

Item number **6490652051**

#### Wiring diagram



#### Electrical data

Rated operating distance	$S_n$	$\geq 5$ mm
Assured operating distance	$S_a$	5 mm
Output		N.O., N.C. combined
Max. voltage		30V DC
Mechanical lifetime		$3 \times 10^8$ switchings, however, according to the load resetability
Repeat accuracy	R	$\pm 0,1$ mm, under same geometrical conditions at the same temperature
Release point	$S_{ab}$	$\leq 12$ mm
Reference magnet		TK-52-CD/2 ( 6402052307 )

#### Mechanical data

Enclosure	PBT, black
Ambient air temperature	$-5$ °C ... $+70$ °C
Type of protection	IP 65
Connection	Cable $4 \times 0,25$ mm <sup>2</sup> x 0,6 m; PVC - Outer jacket, black; with M12-connector, 5-pole, CONINVERS (alternatively M12 plug from Phoenix)
Assembly position	optional (assembly on iron means reduction of switch distance)
Application	MÜZ-x02/xxx

#### EU Conformity

acc. to directive 2004 / 108 / EC

#### Notes

Tightening torque of screws: 1,25 Nm  $\pm$ 0,25 Nm

When this magnetic switch is used together with the related magnet, like TK-52-CD, and a suitable safety control unit, like MÜZ-102/D24-FL-DA, it supports a safety system up to PL d according to EN ISO 13849-1 and up to SIL CL 2 according to EN 62061.

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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