Standex
MEDER
ELECTRONICS

Europe: +49 / 7731 8399 0 | Email: info@standexmeder.com
USA: +1 / 508 295 0771 | Email: salesusa@standexmeder.com
Asia: +852 / 2955 1682 | Email: salesasia@standexmeder.com

Item No.:
2221902104
Item:
MK02/1-1B90-1000W

Dimensions mm[inch]
tolerances acc. to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m

Isometric
Scale 1:2
Maßstab 1:2
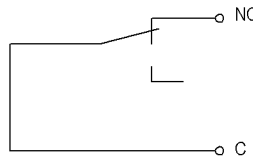

1000 ±10
30 ±2
5 ±1
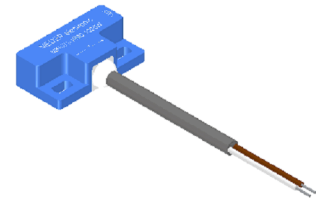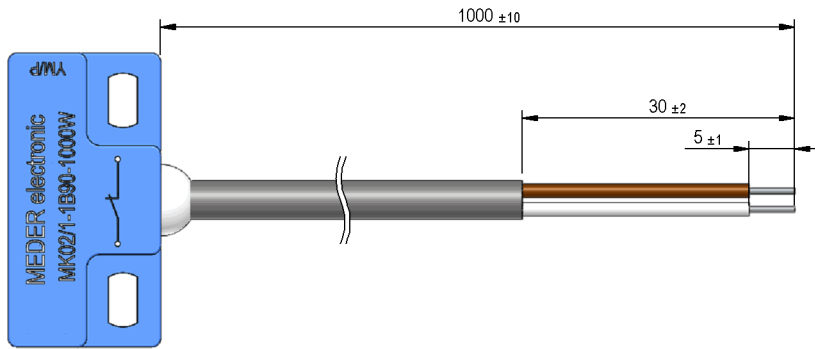
Cable
round cable LIYY 2x0,25 mm², grey
colour of wires: white and brown
Rundkabel LIYY 2x0,25 mm², grau
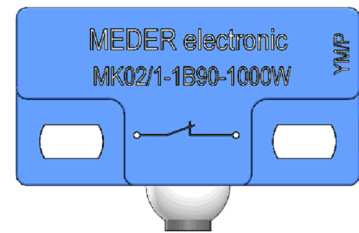*Aderfarben: weiss und braun*
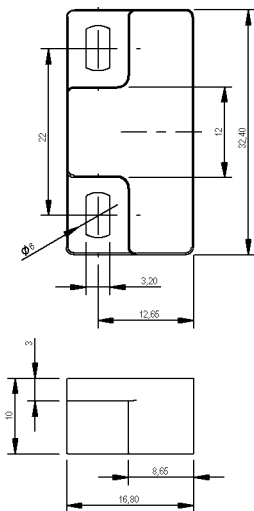
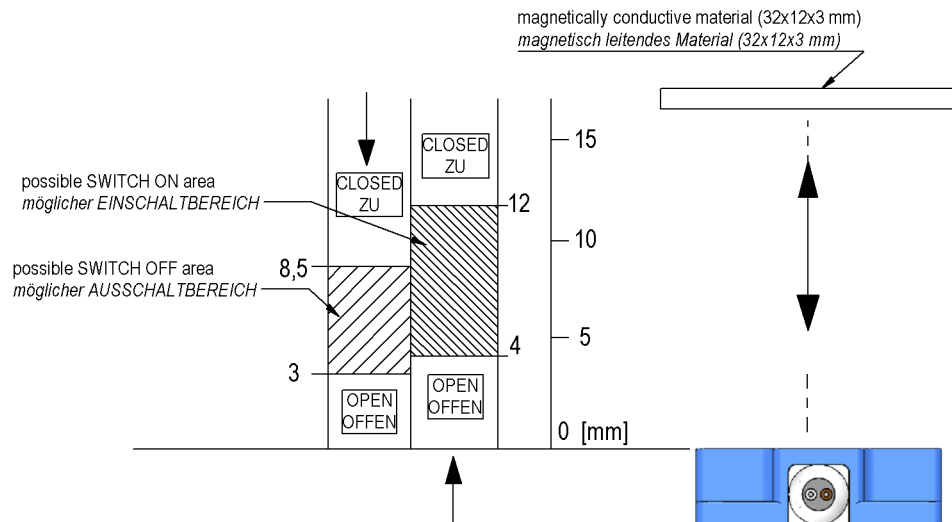**Terminals/Connector**
Ends tinned
Enden verzinnt

Schematic

NC

C

Marking
according to EN60062/factory code
gem. EN60062/Fertigungsstätte

MEDER electronic
MK02/1-1B90-1000W

Housing

22
32,40
12
3,20
12,65
Φ6
3
10
8,65
16,80

Switching distances

magnetically conductive material (32x12x3 mm)
magnetisch leitendes Material (32x12x3 mm)

possible SWITCH ON area
möglicher EINSCHALTBEREICH

possible SWITCH OFF area
möglicher AUSSCHALTBEREICH

CLOSED ZU
CLOSED ZU
OPEN OFFEN
OPEN OFFEN

15
12
10
8,5
5
4
3
0 [mm]

Modifications in the sense of technical progress are reserved

Designed at:	13.01.15	Designed by:	WKOVACS	Approval at:	13.01.15	Approval by:	AWEBER		
Last Change at:		Last Change by:		Approval at:		Approval by:		**Version:**	01

Europe: +49 / 7731 8399 0 | Email: info@standexmeder.com

USA: +1 / 508 295 0771 | Email: salesusa@standexmeder.com

Asia: +852 / 2955 1682 | Email: salesasia@standexmeder.com

Item No.:

2221902104

Item:

MK02/1-1B90-1000W

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull in	at 20°C	3		8,5	mm
Drop out	Reed switch unmodified at 20°C	4		12	mm
Test equipment			SV 002		

Special Product Data	Conditions	Min	Typ	Max	Unit
Contact - form			B/C - NC		
Contact - No.			90		
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
operating voltage	DC or Peak AC			175	V
operating ampere	DC or Peak AC			1	A
Switching current	DC or Peak AC			0,5	A
Sensor-resistance	measured with 40% overdrive			330	mOhm
Housing material			PBT glass fibre reinforced		
Case color			blue		
Sealing compound			Polyurethan		

Environmental data	Conditions	Min	Typ	Max	Unit
Operating temperature	cable not moved	-30		80	°C
Operating temperature	cable moved	-5		80	°C
Storage temperature		-30		80	°C

Cable specification	Conditions	Min	Typ	Max	Unit
Cable typ			round cable		
Cable material			PVC		
Cross section			0,25 qmm		

General data	Conditions	Min	Typ	Max	Unit
Mounting advice			over 5m cable, a series resistor is recommended.		
Mounting advice			The mounting of MK02/1 on iron is not allowed.		
Mounting advice			Don`t use magnetically conductive screws		
tightening torque	Screw M3 ISO 1207 Disk ISO 7089			0,5	Nm