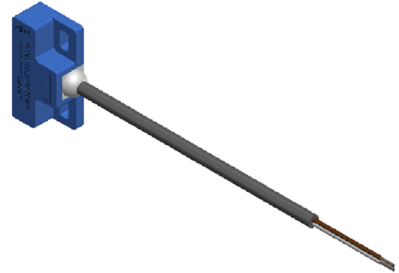
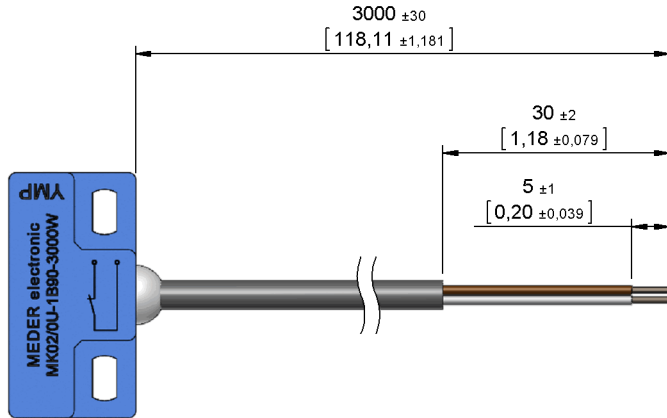


**Dimensions mm[inch]**  
 tolerances acc. to DIN ISO 2768-m  
 Toleranzen gem. DIN ISO 2768-m

**Isometric**  
 Scale 1:2  
 Maßstab 1:2



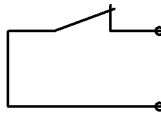
**Cable**

PVC LIYY 2x0,25qmm  
 colour of mantle: grey  
 colour of wires: white, brown  
 PVC LIYY 2x0,25qmm  
 Mantelfarbe: grau  
 Aderfarben: weiß, braun

**Terminals/Connector**

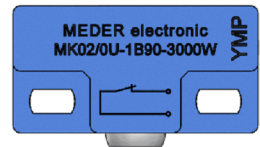
Ends tinned  
 Enden verzinkt

**Schematic**

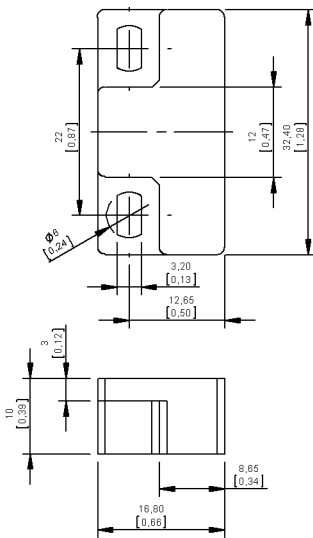


**Marking**

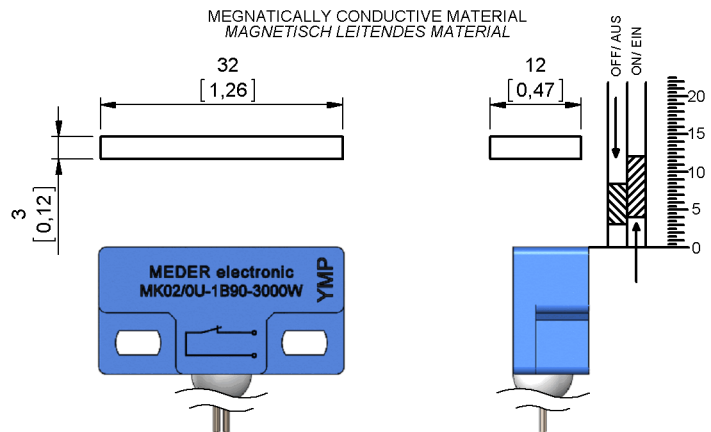
according to EN60062/factory code  
 gem. EN60062/Fertigungsstätte



**Housing**



**Switching distances**





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Item No.:  
**2220902304**  
 Item:  
**MK02/0U-1B90-3000W**

*Products for tomorrow...*

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull in	at 20°C	3		8,5	mm
Drop out	at 20°C	4		12	mm
Test equipment				SV002	

Special Product Data	Conditions	Min	Typ	Max	Unit
Contact - No.				90	
Contact-form				B/C - NC	
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 Sensor deactivated			620	mOhm
approval				UL listed materials	
Housing material				Crastin,SK 645FR, rated 94V-0, 140°C, E.I. Dupont	
Case color				blue	
Sealing compound				Voltatex CE 12 FW-UL	

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				AWG 24	

General data	Conditions	Min	Typ	Max	Unit
Mounting advice				over 5m cable, a series resistor is recommended.	
Mounting advice				Decreased switching distances by mounting on iron.	
Mounting advice				Don't use magnetically conductive screws	
tightening torque	Screw M3 ISO 1207 Disk ISO 7089			0,5	Nm

Modifications in the sense of technical progress are reserved

Designed at: 14.03.07    Designed by: WKOVACS  
 Last Change at: 15.11.12    Last Change by: OMUELLER

Approval at: 09.10.07    Approval by: BUELTZHOEFFER  
 Approval at: 15.11.12    Approval by: TFRITSCHI

Version: 04