Standex MEDER ELECTRONICS

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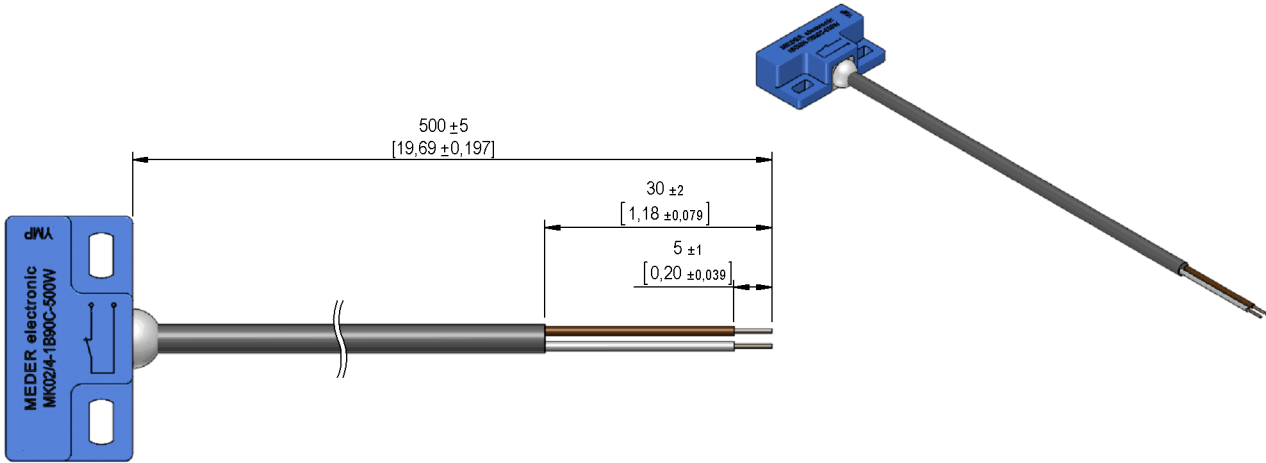Item No.:

2224904054

Item:

MK02/4-1B90C-500W

Preliminary Datasheet

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

Isometric
Scale 1:2
Maßstab 1:2

500 ±5
[19,69 ±0,197]

30 ±2
[1,18 ±0,079]

5 ±1
[0,20 ±0,039]

Cable
PVC LIYY 2x0,25qmm
colour of mantle: grey
colour of wires: white, brown
PVC LIYY 2x0,25qmm
Mantelfarbe: grau
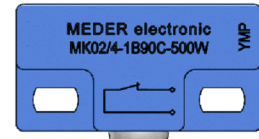*Aderfarben: weiß, braun*
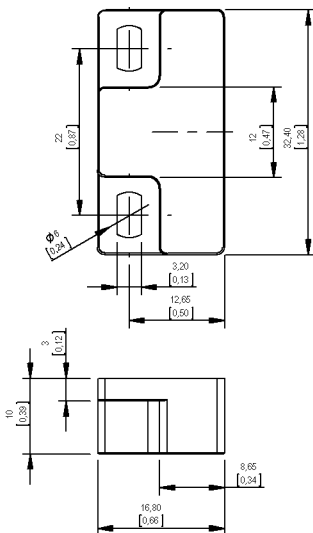
Terminals/Connector
Ends tinned
Enden verzinnt

Schematic

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

MEDER electronic
MK02/4-1B90C-500W
YMP

Housing

22 [0,87]

12 [0,47]

32,40 [1,28]

Ø6 [0,24]

3,20 [0,13]

12,65 [0,50]

3 [0,12]

10 [0,39]

8,65 [0,34]

16,80 [0,66]

Modifications in the sense of technical progress are reserved

Designed at:	29.06.10	Designed by:	WKOVACS	Approval at:	02.07.10	Approval by:	KOLBRICH
Last Change at:	14.07.15	Last Change by:	WKOVACS	Approval at:		Approval by:	

Version: 03

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Item:
MK02/4-1B90C-500W

Preliminary Datasheet

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull in	at 20°C	52		90	AT
Test equipment			KMS - 11		

Special Product Data	Conditions	Min	Typ	Max	Unit
Contact - form			B - 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			300	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
Shock	1/2 sine, duration 11ms, in 3 axis			50	g
Vibration	from 10 - 2000 Hz			20	g

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

General data	Conditions	Min	Typ	Max	Unit
Mounting advice			The mounting of MK02/4 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

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