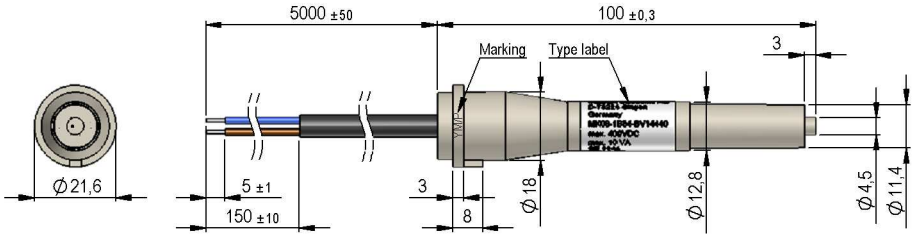


Dimensions mm[inch]
 tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m

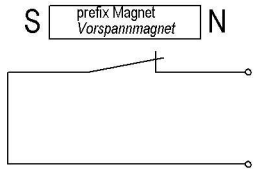
Isometric
 Scale 1:5
 Maßstab 1:5



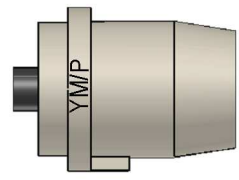
Cable
 round cable H05RN-F 2x0,75 mm², black
 colour of wires: brown and blue
 Rundkabel H05RN-F 2x0,75 mm², schwarz
 Aderfarben: braun und blau

Terminals/Connector
 Ends tinned
 Enden verzinkt

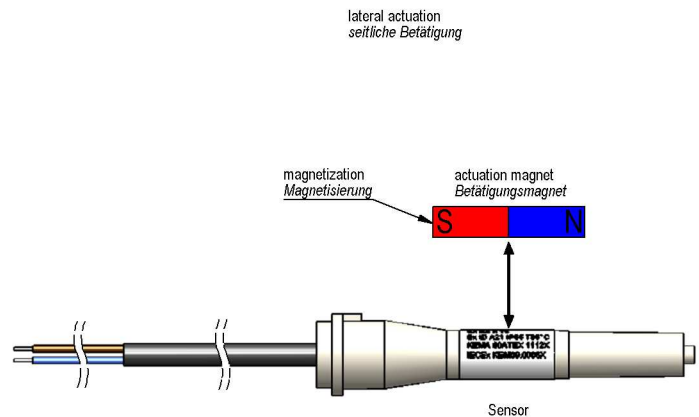
Schematic



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



Magnet arrangement



Label

MEDER electronic AG
 78224 Singen
 Germany
 MK08-1B84-BV14440
 max. 400 VDC
 max. 10 VA
 CE 0344
 Ex II 2 GD
 Ex mb II T6
 Ex ID A21 IP65 T85°C
 KEMA 00ATEX 1112 X
 IECEx KEM09.0006X



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

Item No.:
2280814440
 Item:
MK08-1B84-BV14440

Products for tomorrow...

Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull-In	at 20 °C	22		48	AT
Test equipment		KMS-31			

Contact data 75	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage (<31 AT)	DC or Peak AC			400	V
Switching current	DC or Peak AC			0,5	A
Carry current	DC or Peak AC			1	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage (20-30 AT)	according to IEC 255-5	400			VDC
Operate time incl. bounce	measured with 40% overdrive			0,5	ms
Release time	measured with no coil excitation			0,1	ms
Capacity	@ 10 kHz across open switch		0,4		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Contact - form		B - NC			
Sensor-resistance	measured with 40% overdrive			500	mOhm
Housing material		Makrolon 2805 grey, Bayer AG D-51368 Leverkusen,			
Housing material		Polycarbonat			
Sealing compound		1. Silikon RTV627 INDEG GmbH Emil-Kömmerling-Str. 5, D-66954 Pirmasens			
Sealing compound		Colour: dark grey; useful temperature range: -60 to 204 °C			
Sealing compound		Mixing: RTV627A base component and			
Sealing compound		RTV627B curing agent in 1:1 ratio by weight or vol.			
Sealing compound		Operate temperature: 21 °C			
Sealing compound		2. Polyurethan PU570 WEVO Chemie GmbH, Mergenthaler Str. 13, D-73760 Ostfildern-Kemnat			
Sealing compound		Colour: dark grey, operate temperature -40 to 130 °C			
Sealing compound		Quota of the filling substances: 100 parts of vol. PU570 and			
Sealing compound		26 parts of vol. Harder 300, operating temperature 21 °C			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine, duration 11ms, in 3 axis			50	g
Vibration	from 10 - 2000 Hz			35	g
Operating temperature		-40		60	°C
Storage temperature		-40		60	°C

Cable specification	Conditions	Min	Typ	Max	Unit
Cable type		oil resistant round cable H05RN-F 2x0,75 mm ² , black,			
Cable type		Colour of wires: brown and blue			

Modifications in the sense of technical progress are reserved

Designed at: 16.11.11 Designed by: WKOVACS Approval at: 16.11.11 Approval by: DKUECHLER
 Last Change at: 05.12.11 Last Change by: DVUCKOVIC Approval at: 05.12.11 Approval by: AWEBER

Version: 02