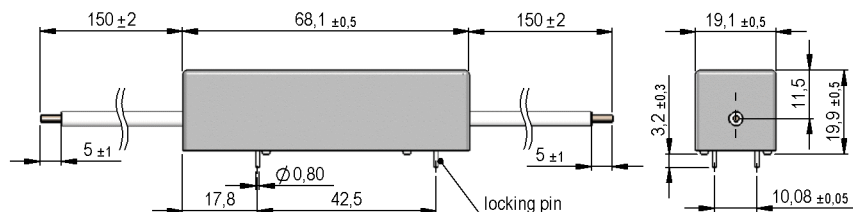


Dimensions mm[inch]

tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m


Isometric

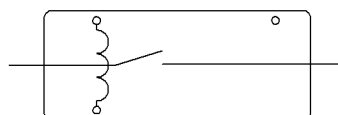
Scale 1:2
 Maßstab 1:2


Cable

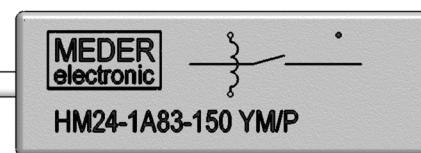
silicone high voltage wire AWG20
 UL-Style 3239,
 colour white
 Hochspannung Silikonlitze AWG20
 UL-Style 3239
 Farbe weiss

Layout

Top view
 Draufsicht


Marking

according to EN60062/factory code
 gem. EN60062/Fertigungsstätte



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		900	1.000	1.100	Ohm
Coil voltage			24		VDC
Rated power			576		mW
Pull-In voltage				18	VDC
Drop-Out voltage		2			VDC

Contact data 83	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			50	W
Switching voltage	DC or Peak AC			7.500	V
Switching current	DC or Peak AC			3	A
Carry current	DC or Peak AC			5	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			TOhm
Breakdown voltage	according to EN 60255-5	10			kV DC
Operate time incl. bounce	measured with 40% overdrive			3,2	ms
Release time	measured with no coil excitation			1,5	ms
Capacitance	@ 10 kHz across open switch		1		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts			1		
Contact - form			A - NO		
Dielectric Strength Coil/Contact	according to EN 60255-5	15			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	10			TOhm
Case colour			grey		
Housing material			Polycarbonat		
Sealing compound			Polyurethan		
Connection pins			Copper alloy tin plated		
Reach / RoHS conformity			yes		
Cable type			silicon high-voltage wire AWG20 Style 3239, 15kVDC		



Products for tomorrow...

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Item No.:

8424183150

Item:

HM24-1A83-150

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		70	°C
Storage temperature		-35		105	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Total weight			50		g
Packaging		card board box / 10 pcs.			

Modifications in the sense of technical progress are reserved

Designed at: 01.07.04 Designed by: EBUNKE

Approval at: 11.06.07 Approval by: KOLBRICH

Last Change at: 14.08.12 Last Change by: WKOVACS

Approval at: 14.08.12 Approval by: CRUF

Version: 07

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