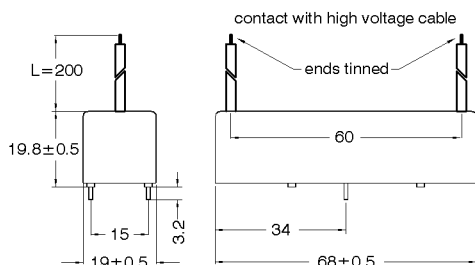
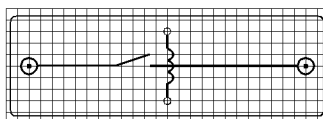


DIMENSIONS (mm)



LAYOUT

pitch 2.5 mm/Top view



MARKING



PINS

 Pins: Ø0.8 mm
 L_{pin} = 3.2±0.3 mm
 Material: Cu-alloy tinned


CABLE

 AWG20
 High-voltage silicone wire
 UL-Style 3239
 p/n 4001101015
 L = 200 mm

MARKING

 MEDER-Label
 Type/Layout
 Production code,
 EN60062/Factory code

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
Thermal Resistance			24		K/W
Pull-In voltage				18	VDC
Drop-Out voltage		2			VDC

Contact data 83	Conditions	Min	Typ	Max	Unit
Contact-No.			83		
Contact-form			A		
Contact-material			Tungsten		
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 nominal voltage at 20 °C			150	mOhm
Contact resistance	Maximum value 1,5 ms after excitation Start Value			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage	according to IEC 255-5	10.000			VDC
Operate time incl. bounce	measured with nominal voltage at 20 °C			3	ms
Release time	measured with no coil excitation			1,5	ms
Capacitance			0,6		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 200 VDC Messspannung	1.000			GOhm
Insulation voltage Coil/Contact	gemäß IEC 255-5	10			kV DC
Housing material			Polycarbonat		
Sealing compound			Polyurethan		
Connection pins			Copper alloy tin plated		
number of contacts			1		



Products for tomorrow...

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.:

8424183206

Item:

HM24-1A83-20-6

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 Sinuswelle, Dauer 11ms			50	g
Vibration	von 10 - 2000 Hz			20	g
Ambient temperature		-20		70	°C
Storage temperature		-35		105	°C
Soldering temperature	Wellenlöten max. 5 Sek.				
Cleaning		fully sealed			

Modifications in the sense of technical progress are reserved

Designed at: 19.04.04 Designed by: EBUNKE

Approval at: 28.05.08 Approval by: KOLBRICH

Last Change at: 19.01.09 Last Change by: WKOVACS

Approval at: 27.01.09 Approval by: KOLBRICH

Version: 03