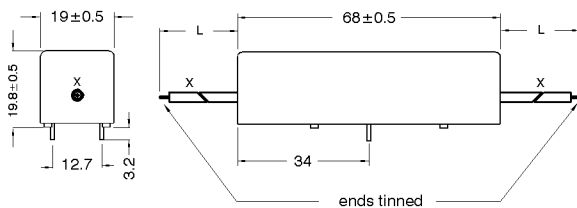


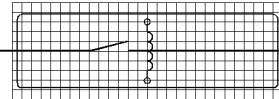
DIMENSIONS (mm)

X=Contact with high voltage cable

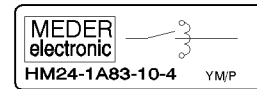


LAYOUT

pitch 2.54 mm/Top view



MARKING



PINS

Pins: Ø0.8 mm

Lpin = 3.2±0.3 mm

Material: Cu-alloy tinned



CABLE

AWG20

Silicone high-voltage wire

UL-Style 3239

p/n 4001101015

L = 100 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 - NO		
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
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage	according to IEC 255-5	10.000			VDC
Release time	measured with no coil excitation			1,5	ms
Operate time incl. bounce	measured with nominal voltage at 20 °C			3,2	ms
Capacitance	@ 10 kHz across open switch		1		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1.000			GOhm
Dielectric Strength Coil/Contact	according to IEC 255-5	10			kV DC
Housing material			Polycarbonat		
Sealing compound			Polyurethan		
Connection pins			cu-alloy tinned		
Number of contacts			1		



*Products for
Homomax...*

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Item No.:

8424183104

Item:

HM24-1A83-10-4

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			

Modifications in the sense of technical progress are reserved

Designed at: 19.04.04 Designed by: EBUNKE

Approval at: 26.01.09 Approval by: KOLBRICH

Last Change at: 16.01.09 Last Change by: WKOVACS

Approval at: Approval by:

Version: 02