



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		225	250	275	Ohm
Coil voltage			12		VDC
Rated power			576		mW
Thermal Resistance			24		K/W
Pull-In voltage				9	VDC
Drop-Out voltage		1			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 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.:
8412183104
Item:
HM12-1A83-10-4

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: 07.04.04 Designed by: EBUNKE
Last Change at: 16.01.09 Last Change by: WKOVACS

Approval at: 27.01.09 Approval by: KOLBRICH
Approval at: Approval by:

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