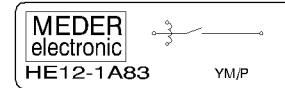
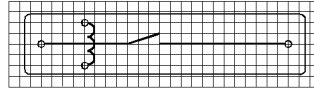
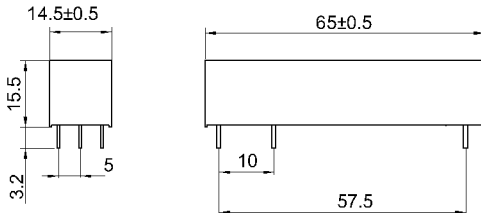


LAYOUT
pitch 2.5 mm/Top view

MARKING



PINS

Pins: Ø0.8 mm
 L = 3.2±0.3 mm



Abmessungen/dimensions (mm)
 tolerances according to DIN ISO 2768 m

MARKING

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

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		234	260	286	Ohm
Coil voltage			12		VDC
Rated power			554		mW
Thermal Resistance			26		K/W
Pull-In voltage				9	VDC
Drop-Out voltage		2			VDC

Contact data 83	Conditions	Min	Typ	Max	Unit
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			7,5	kV DC
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			GOhm
Breakdown voltage	according to IEC 255-5	10			kV DC
Operate time incl. bounce	measured with 40% overdrive			3	ms
Release time	measured with no coil excitation			1,5	ms
Capacity	@ 10 kHz across open switch		0,6		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1.000			GOhm
Insulation voltage Coil/Contact	according to IEC 255-5	7,5			kV DC
Housing material		Polycarbonat			
Sealing compound		Polyurethan			
Connection pins		Copper alloy tin plated			
number of contacts		1			



Products for tomorrow...

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Item No.:
8512183000
Item:
HE12-1A83

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

Modifications in the sense of technical progress are reserved

Designed at: 10.09.08 Designed by: ALICHTENSTEIN
Last Change at: 30.04.09 Last Change by: MPOTUZAK

Approval at: 02.10.08 Approval by: KOLBRICH
Approval at: 30.04.09 Approval by: DSTASTNY

Version: 06