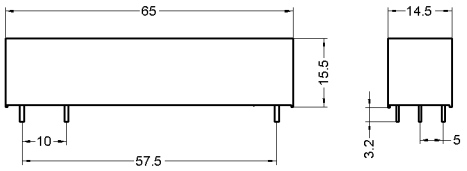
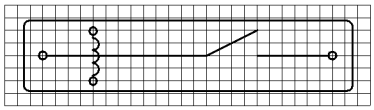
Europe: +49 / 7733 9487 0 | Email: info@meder.com
USA: +1 / 508 539 0002 | Email: salesusa@meder.com
Asia: +852 / 2955 1682 | Email: salesasia@meder.com

Item No.:
8506183000
Item:
HE06-1A83

DIMENSIONS (mm)



LAYOUT
pitch 2.5 mm/Top view



MARKING

PINS

Pins: Ø0.8 mm
L = 3.2±0.3 mm
Material: Cu-alloy tinned

MARKING

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

unspecified tolerances acc. to DIN ISO 2768-m

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		59	65	72	Ohm
Coil voltage			6		VDC
Rated power			554		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		26		K/W
Pull-In voltage				4,5	VDC
Drop-Out voltage		1			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	VDC
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
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 40% overdrive			3	ms
Release time	measured with no coil excitation			1,5	ms

Special Product Data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 100 V test voltage	1.000			GOhm
Insulation voltage Coil/Contact	according to IEC 255-5	7,5			KVAC
Isolation voltage Coil/Contact	according to IEC 255-5	10,6			kV DC
Housing material		Polycarbonat			
Sealing compound		Polyurethan			
Connection pins		Copper alloy tin plated			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			30	g
Vibration	from 10 - 2000 Hz			20	g
Ambient temperature		-20		70	°C
Storage temperature		-35		105	°C
Soldering temperature	max. 5 sec			260	°C
Cleaning					

Designed at: 27.02.07 Designed by: MPOTUZAK Approval at: 07.03.07 Approval by: DSTASTNY
Last Change at: 07.03.07 Last Change by: DSTASTNY Approval at: Approval by: **Rev. No.:** 01