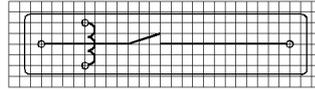
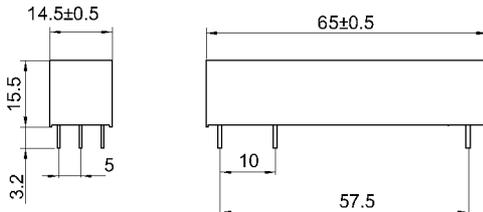


**LAYOUT**  
pitch 2.5 mm/Top view

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	max. Relay temperature = operating temperature + self heating		26		K/W
Pull-In voltage				9	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	V
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 EN 60255-5	10			kV DC
Operate time incl. bounce	measured with 40% overdrive			3,2	ms
Release time	measured with no coil excitation			1,5	ms
Capacitance	@ 10 kHz across open switch		1		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Dielectric Strength Coil/Contact	according to EN 60255-5	10			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Housing material		Polycarbonat			
Sealing compound		Polyurethan			
Connection pins		Copper alloy tin plated			
Reach / RoHS conformity		yes			



*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
Operating temperature		-20		70	°C
Storage temperature		-35		105	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

General data	Conditions	Min	Typ	Max	Unit
Total weight			29,5		g
Packaging					styropor palette 26 pcs./each

Modifications in the sense of technical progress are reserved

Designed at: 10.09.08    Designed by: ALICHTENSTEIN    Approval at: 02.10.08    Approval by: KOLBRICH  
Last Change at: 09.11.12    Last Change by: SSCHNECKENBURGER    Approval at: 09.11.12    Approval by: SSCHNECKENBURGER    Version: 10