MEDER electronic
Products for tomorrow...

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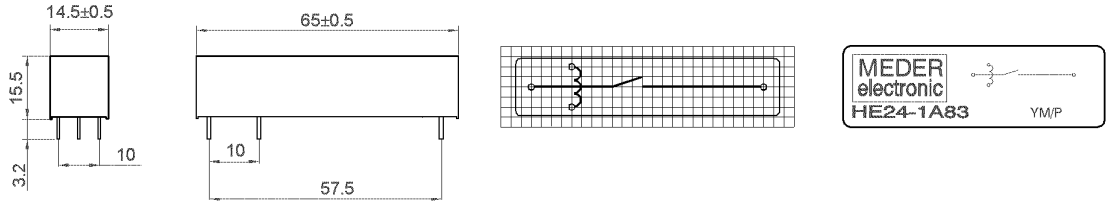
Item No.:
8524183000
Item:
HE24-1A83

LAYOUT



PINS

Pins: Ø0.8 mm
L = 3.2±0.3 mm

MARKING

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

dimensions (mm)
Tolerances acc. to DIN ISO 2768-m

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		945	1.050	1.155	Ohm
Coil voltage			24		VDC
Thermal Resistance			26		K/W
Rated power			549		mW
Pull-In voltage				18	VDC
Drop-Out voltage		3,5			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			7.500	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
Contact resistance	Difference value 1,5 ms after excitation			20	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			3,2	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
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			

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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
Soldering temperature	wave sodering max. 5 sec.			260	°C
Cleaning		fully sealed			