Europe: +49 / 7731 8399 0 | Email: info@meder.com
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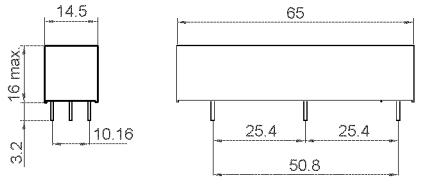
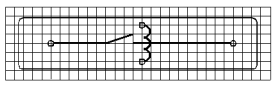
Item No.:
8512169002
Item:
HE12-1A69-02

DIMENSIONS (mm)



LAYOUT

pitch 2.54 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

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		100	110	120	Ohm
Coil voltage			12		VDC
Rated power			1.310		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 69	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			10.000	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	15			kV DC
Release time	measured with no coil excitation			1,5	ms
Operate time incl. bounce	measured with nominal voltage at 20°C			3	ms
Capacitance	@ 10 kHz across open switch		0,8		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts		1			
Contact - form		A - NO			
Dielectric Strength Coil/Contact	according to EN 60255-5	10			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Case colour		gray			
Housing material		Polycarbonat			
Sealing compound		Polyurethan			
Connection pins		Copper alloy tin plated			
Reach / RoHS conformity		yes			

Modifications in the sense of technical progress are reserved

Designed at: 11.03.10 Designed by: WKOVACS Approval at: 15.03.10 Approval by: KOLBRICH
Last Change at: 07.10.11 Last Change by: CRUF Approval at: 07.10.11 Approval by: CRUF **Version:** 03

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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
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 weigth			27		g
Packaging		styropor plate 9999999934 a 25 pcs.			

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