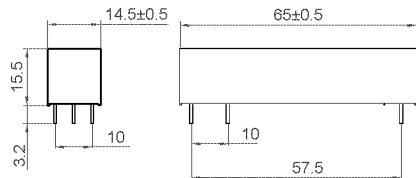


DIMENSIONS (mm)



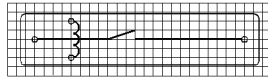
PINS

Pins: Ø0.8 mm
 L = 3.2±0.3 mm



LAYOUT

pitch 2.5 mm/Top view



MARKING



MARKING

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

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		135	150	165	Ohm
Coil voltage			12		VDC
Rated power			960		mW
Thermal Resistance			26		K/W
Pull-In voltage				9	VDC
Drop-Out voltage		2			VDC

Contact data 69	Conditions	Min	Typ	Max	Unit
Contact-form			A		
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			50	W
Switching voltage	DC or Peak AC			10	kV DC
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
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1.000			GOhm
Dielectric Strength Coil/Contact	according to IEC 255-5	7,5			kV DC
Housing material			Polycarbonat		
Sealing compound			Polyurethan		
Connection pins			cu-alloy tinned		
Number of contacts			1		



Products for tomorrow...

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Item No.:
8512169000
Item:
HE12-1A69

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			

Modifications in the sense of technical progress are reserved

Designed at: 24.08.09 Designed by: WKOVACS
Last Change at: Last Change by:

Approval at: 17.09.09 Approval by: KOLBRICH
Approval at: Approval by:

Version: 01