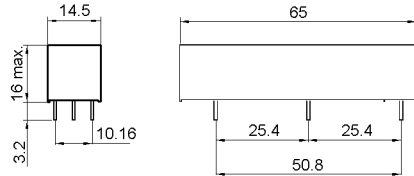


## Preliminary Datasheet

### DIMENSIONS (mm)



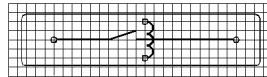
### PINS

Pins:  $\varnothing 0.8$  mm  
 L =  $3.2 \pm 0.3$  mm  
 Material: Cu-alloy tinned



### 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		419	465	512	Ohm
Coil voltage			24		VDC
Thermal Resistance			26		K/W
Rated power			1.240		mW
Pull-In voltage				18	VDC
Drop-Out voltage		2,5			VDC

Contact data 69	Conditions	Min	Typ	Max	Unit
Contact-No.				69	
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			10.000	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 dynamic	Maximum value 1,5 ms after excitation Start Value			250	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage	according to IEC 255-5	13.000			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%, 200 VDC test voltage	1.000			GOhm
Insulation voltage Coil/Contact	according to IEC 255-5	13			kV DC
Isolation voltage Coil/Contact	according to IEC 255-5	9,19			kVAC
Housing material				Polycarbonat	
Sealing compound				Polyurethan	
Connection pins				Copper alloy tin plated	
number of contacts				1	



*Products for tomorrow...*

Europe: +49 / 7731 8399 0

| Email: info@meder.com

Item No.:

USA: +1 / 508 295 0771

| Email: salesusa@meder.co

**8524169002**

Asia: +852 / 2955 1682

| Email: salesasia@meder.co

Item:

**HE24-1A69-02**

## Preliminary Datasheet

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
Storage temperature		-35		105	°C
Soldering temperature	max. 5 sec			260	°C

Modifications in the sense of technical progress are reserved

Designed at: 27.11.07 Designed by:

Approval at: 03.03.08 Approval by: RRIPPL

Last Change at: 07.03.08 Last Change by: WKOVACS

Approval at: Approval by:

Version: 04