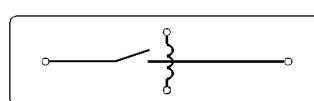
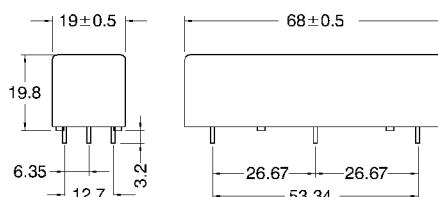


LAYOUT

Top view



PINS

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

MARKING

*Aufdruck*

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



Abmessungen / dimensions (mm)  
 tolerances according to DIN ISO 2768 m

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		27	30	33	Ohm
Coil voltage			5		VDC
Rated power			833		mW
Pull-In voltage				3,8	VDC
Drop-Out voltage		0,5			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 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			TOhm
Breakdown voltage	according to EN 60255-5	15			kV DC
Operate time incl. bounce	measured with 40% overdrive			3	ms
Release time	measured with no coil excitation			1,5	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	15			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	10			TOhm
Case colour			gray		
Housing material			Polycarbonat		
Sealing compound			Polyurethan		
Connection pins			Copper alloy tin plated		
Magnetic Shield			no		
Reach / RoHS conformity			yes		



Products for  
tomorrow...

Europe: +49 / 7731 8399 0 | Email: info@meder.com  
USA: +1 / 508 295 0771 | Email: salesusa@meder.com  
Asia: +852 / 2955 1682 | Email: salesasia@meder.com

Item No.:

**8405169004**

Item:

**HM05-1A69-04**

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		-25		85	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability				fully sealed	

General data	Conditions	Min	Typ	Max	Unit
Total weight			50		g
Packaging			cardboard	10 pcs./each	

Modifications in the sense of technical progress are reserved

Designed at: 10.12.07 Designed by:

Approval at: 30.03.11 Approval by: CRUF

Last Change at: 30.03.11 Last Change by: WKOVACS

Approval at: Approval by:

Version: 05