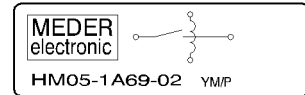
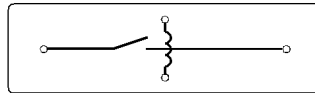
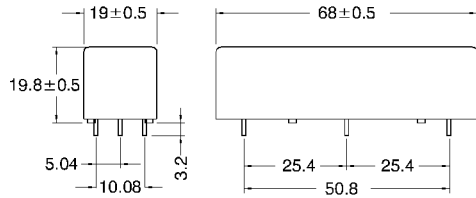


LAYOUT  
 Top view



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

Abmessungen / dimensions (mm)

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		27	30	33	Ohm
Coil voltage			5		VDC
Rated power			833		mW
Coil current			165		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		20		K/W
Inductance			25		mH
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 IEC 255-5	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 IEC 255-5	15			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	10			TOhm
Capacity Coil/Contact	@ 10 kHz		2,5		pF
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...*

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Item No.:  
**8405169002**  
Item:  
**HM05-1A69-02**

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			45		g
Packaging					palette per 12 piece

Modifications in the sense of technical progress are reserved

Designed at: 30.06.03    Designed by: EBUNKE  
Last Change at: 21.04.10    Last Change by: WKOVACS

Approval at: 26.09.08    Approval by: KOLBRICH  
Approval at: 22.04.10    Approval by: KOLBRICH

Version: 11