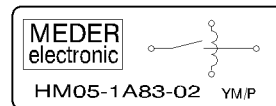
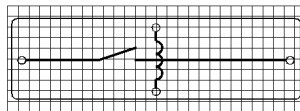
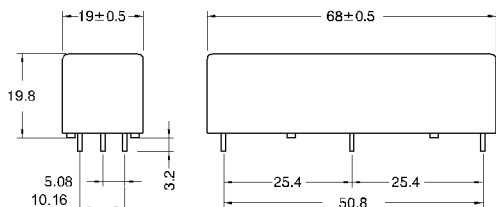


LAYOUT
 pitch 2.54 mm/Top view



Pins: Ø0.8 mm
 L = 3.2±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		40	45	50	Ohm
Coil voltage			5		VDC
Rated power			556		mW
Pull-In voltage				3,8	VDC
Drop-Out voltage		0,5			VDC

Contact data 83	Conditions	Min	Typ	Max	Unit
Contact-form		A-NO			
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			7.500	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			GOhm
Breakdown voltage	according to IEC 255-5	10.000			VDC
Operate time incl. bounce	measured with 40% overdrive			3,2	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
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1.000			GOhm
Insulation voltage Coil/Contact	according to IEC 255-5	10			kV DC
Housing material		Polycarbonat			
Sealing compound		Polyurethan			
number of contacts		1			

Dimensions	Conditions	Min	Typ	Max	Unit
Length - Component	Tolerance $\pm 0,2$ / or according to drawing		68		mm
Width - Component	Tolerance $\pm 0,2$ / or according to drawing		19		mm
Height - Component	casing and spacer feet Tolerance $\pm 0,2$ / or according to drawing		19,8		mm

Modifications in the sense of technical progress are reserved

Designed at: 13.10.08 Designed by: ALICHTENSTEIN Approval at: 15.10.08 Approval by: KOLBRICH
 Last Change at: 20.05.09 Last Change by: KSCHIELENSKI Approval at: 20.05.09 Approval by: KOLBRICH

Version: 05



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Item No.:
8405183002
Item:
HM05-1A83-02

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	wave soldering max. 5 sec.				
Cleaning					fully sealed

Modifications in the sense of technical progress are reserved

Designed at: 13.10.08 Designed by: ALICHTENSTEIN Approval at: 15.10.08 Approval by: KOLBRICH
Last Change at: 20.05.09 Last Change by: KSCHIELENSKI Approval at: 20.05.09 Approval by: KOLBRICH

Version: 05