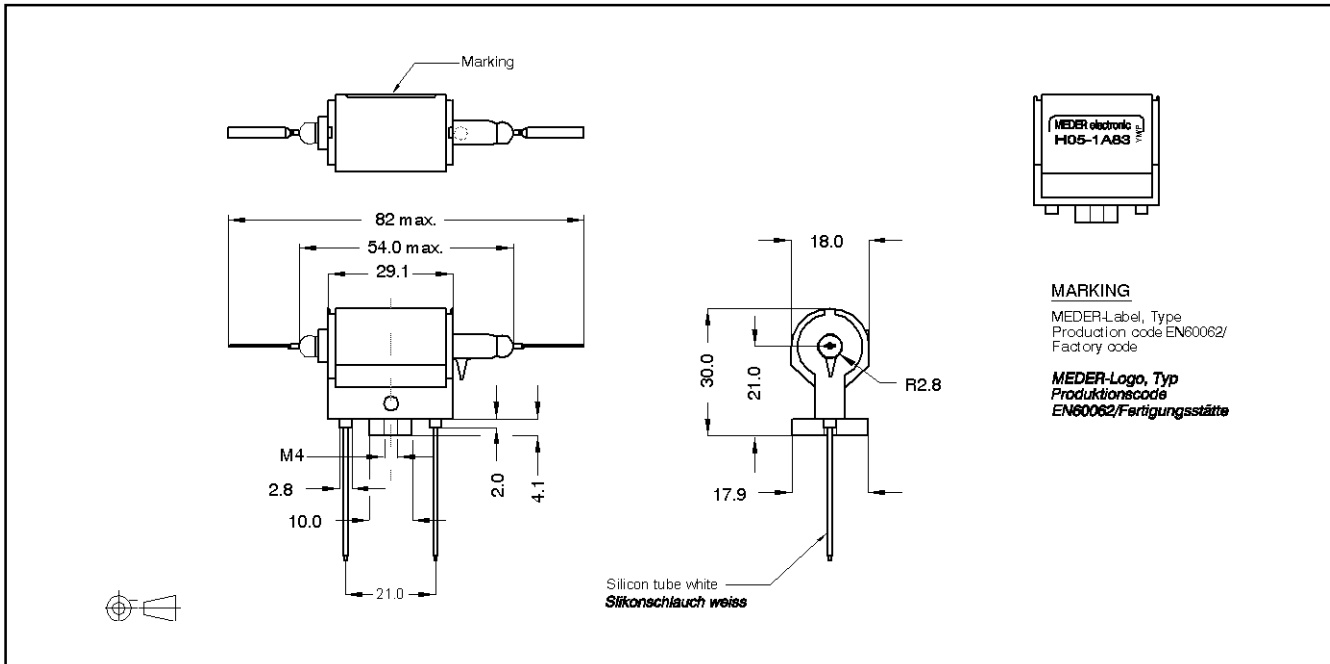


### Preliminary Datasheet



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		45	50	55	Ohm
Coil voltage			5		VDC
Rated power			625		mW
Coil current			125		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		25		K/W
Inductance			44		mH
Pull-In voltage				3,5	VDC
Drop-Out voltage		0,75			VDC

Contact data 83	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			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			TOhm
Breakdown voltage	according to IEC 255-5	10			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		0,2		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%, 100 VDC test voltage	10			TOhm
Capacity Coil/Contact	@ 10 kHz		1,1		pF
Case colour			nature		
Housing material			Crastin,SK 645FR, rated 94V-0, 140 °C, E.I. Dupont		
Connection pins			FeNi-alloy tin plated		
Magnetic Shield			no		
Reach / RoHS conformity			yes		



*Products for tomorrow...*

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Item No.:  
**1905183110**  
Item:  
**H05-1A83**

## 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
Operating temperature		-20		70	°C
Storage temperature		-20		90	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

General data	Conditions	Min	Typ	Max	Unit
Total weight			25		g
Packaging					Styrofoam tray ESD per 10 piece

Modifications in the sense of technical progress are reserved

Designed at: 28.05.08    Designed by: ALICHTENSTEIN    Approval at: 02.06.08    Approval by: KOLBRICH  
Last Change at: 11.11.09    Last Change by: SERVICES\_EUROPE    Approval at:    Approval by:

Version: 03