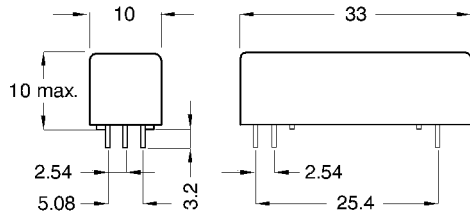


**DIMENSIONS (mm)**

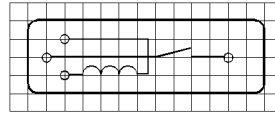


Pins: Ø0.65 mm  
 L = 3.2±0.3 mm  
 Material: Cu-alloy tinned



**LAYOUT**

pitch 2.54 mm/Top view



**MARKING**



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

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		126	140	154	Ohm
Coil voltage			5		VDC
Rated power			178		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		72		K/W
Pull-In voltage				3,5	VDC
Drop-Out voltage		0,28			VDC

Contact Data 85	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			100	W
Switching voltage	DC or Peak AC			1.000	V
Switching current	DC or Peak AC			1	A
Carry current	DC or Peak AC 100% Duty Cycle			2,5	A
Contact resistance static	Measured with 40% overdrive			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			TOhm
Breakdown voltage (20-30 AT)	according to IEC 255-5	2.000			VDC
Operate time incl. bounce	measured with 40% overdrive			1,1	ms
Release time	measured with no coil excitation			0,1	ms
Capacitance	@ 10 kHz across open switch		0,5		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	2			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	1			TOhm
Case colour				gray	
Housing material				Polycarbonat	
Sealing compound				Polyurethan	
Connection pins				Copper alloy tin plated	
Magnetic Shield				no	
Reach / RoHS conformity				yes	



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Item No.:  
**8805185100**  
Item:  
**BE05-1A85-P**

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine, duration 11ms, in 3 axis			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		70	°C
Storage temperature		-40		105	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

Modifications in the sense of technical progress are reserved

Designed at: 27.05.11    Designed by: WKOVACS  
Last Change at:            Last Change by:

Approval at: 27.05.11    Approval by: CRUF  
Approval at:              Approval by:

Version: 01

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