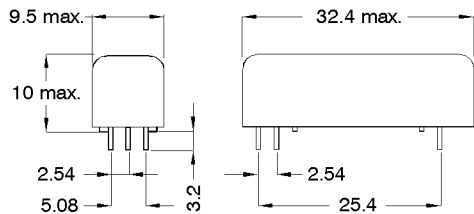


DIMENSIONS (mm)

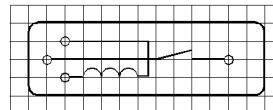


Pins: Ø0.65 mm  
 L = 3.2±0.3 mm  
 Material: Cu-alloy tinned



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		310	345	380	Ohm
Coil voltage			5		VDC
Rated power			72		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	2,3			kV DC
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 IEC 255-5	2			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Case colour				silver metallic	
Housing material				Metal	
Magnetic Shield				yes	
RoHS conformity				yes	
Sealing compound				Polyurethan	
Connection pins				Copper alloy tin plated	



*Products for tomorrow...*

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Item No.:  
**8805185200**  
Item:  
**BE05-1A85-M**

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		70	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Total weight			7,8		g
Packaging		plastic tube, 50 pcs./each			

Modifications in the sense of technical progress are reserved

Designed at: 02.06.08 Designed by: WKOVACS  
Last Change at: 27.05.11 Last Change by: WKOVACS

Approval at: 06.06.08 Approval by: RRIPPL  
Approval at: 27.05.11 Approval by: CRUF

Version: 03