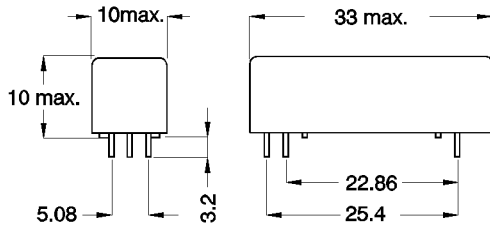


**DIMENSIONS (mm)**

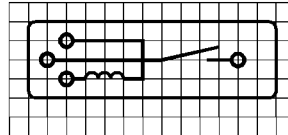


Pins: Ø0.65 mm  
 L = 3.2±0.3 mm  
 Material: Cu-alloy tinned



**LAYOUT(10)**

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		95	105	115	Ohm
Coil voltage			5		VDC
Rated power			238		mW
Pull-In voltage				3,5	VDC
Drop-Out voltage		0,5			VDC

Contact data 31	Conditions	Min	Typ	Max	Unit
Contact-form			A		
Contact-material	independent on position		Hg		
Contact rating	Any DC combination of V & A up to 500V max. 50W, with 1000V max. 5W			50	W
Switching voltage	DC or Peak AC			500	V
Switching current	DC or Peak AC			2	A
Carry current	DC or Peak AC			2	A
Contact resistance static	Measured with 40% overdrive Start Value			80	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	100			GOhm
Breakdown voltage	according to IEC 255-5	1.500			VDC
Operate time incl. bounce	measured with 40% overdrive			1,2	ms
Release Time	measured with no coil excitation			1	ms
Capacity	@ 10 kHz across open switch		0,3		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1.000			GOhm
Dielectric Strength Coil/Contact	according to IEC 255-5	2			kV AC
Housing material			Polycarbonat		
Sealing compound			Polyurethan		
Connection pins			cu-alloy tinned		

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		-35		85	°C



*Products for tomorrow...*

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Item No.:  
**8805131100**  
Item:  
**BE05-1A31-P**

Environmental data	Conditions	Min	Typ	Max	Unit
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

Modifications in the sense of technical progress are reserved

Designed at: 29.10.09    Designed by: DSTASTNY  
Last Change at:            Last Change by:

Approval at: 29.10.09    Approval by: DSTASTNY  
Approval at:                Approval by:

Version: 01