MEDER electronic
Products for tomorrow...

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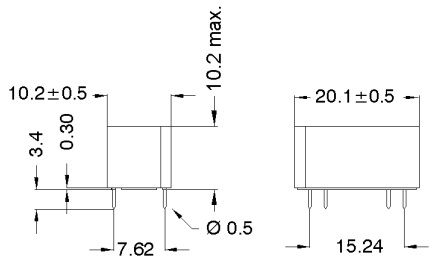
Item No.:
1324131013
Item:
DIL24-1A31-13L

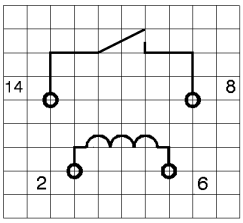
DIMENSIONS (mm)



Pins: Ø0.5 mm
L = 3.4±0.3 mm
Material: Cu-alloy tinned

tolerances according to DIN ISO 2768 m

LAYOUT (13L)
pitch 2.54 mm/Top view



MARKING

MEDER-Label
Type
Production code,
EN60062/Factory code

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		1.530	1.700	1.870	Ohm
Coil voltage			24		VDC
Rated power			339		mW
Pull-In voltage				16,8	VDC
Drop-Out voltage		3,6			VDC

Contact data 31	Conditions	Min	Typ	Max	Unit
Contact-form		A			
Contact-material	independent on position	Hg			
Switching suitability		bounce free			
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
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			130	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	10			GOhm
Dielectric Strength Coil/Contact	according to IEC 255-5	1,5			kV DC
Housing material		PBT glass fibre reinforced			
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

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Environmental data	Conditions	Min	Typ	Max	Unit
Operating temperature		-20		55	°C
Storage temperature		-25		85	°C
Soldering temperature	wave sodering max. 5 sec.			260	°C
Washability		fully sealed			