Europe: +49 / 7731 8399 0 | Email: info@meder.com
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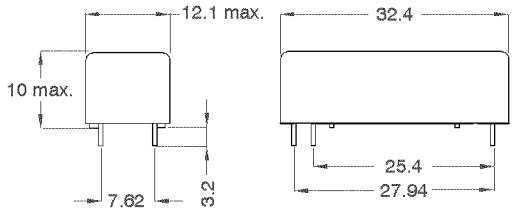
Asia: +852 / 2955 1682 | Email: salesasia@meder.co

Item No.: **8812271800**

Item: **BT12-2A66**

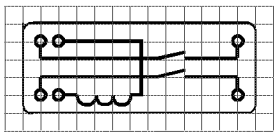
BT12-2A71

DIMENSIONS (mm)

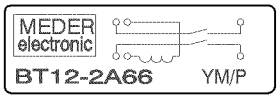


LAYOUT

pitch 2.54 mm/Top view

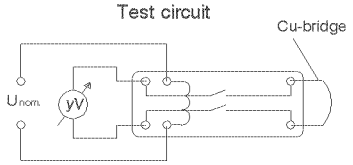


MARKING



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

Test circuit



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

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		4.590	5.100	5.610	Ohm
Coil voltage			12		VDC
Rated power			28		mW
Pull-In voltage				9	VDC
Drop-Out voltage		2			VDC

Contact data 66	Conditions	Min	Typ	Max	Unit
Contact-form		A - NO			
Contact-material		Rhodium			
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage (<21 AT)	DC or Peak AC			180	V
Switching current	DC or Peak AC			0,5	A
Carry current	DC or Peak AC			1	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			200	mOhm
Insulation resistance	RH <45 %, 100 VDC test voltage	10			GOhm
Breakdown voltage (<21 AT)	according to IEC 255-5	200			VDC
Operate time incl. bounce	measured with 40% overdrive			0,5	ms
Release time	measured with no coil excitation			0,1	ms

Special Product Data	Conditions	Min	Typ	Max	Unit
Thermal EMF				1	MicroVolt
Insul.voltage all conections/case		1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1.000			GOhm
Insulation voltage Coil/Contact	according to IEC 255-5	1,5			kV DC
Housing material		Metal			
Sealing compound		Polyurethan			
Connection pins		Copper alloy tin plated			
number of contacts		2			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g

Designed at: 09.08.07 Designed by: WKOVACS Approval at: 03.09.07 Approval by: RRIPPL
Last Change at: 17.10.07 Last Change by: WKOVACS Approval at: 03.06.08 Approval by: RRIPPL **Version:** 02

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Item No.:
8812271800
Item:
BT12-2A66
BT12-2A71

Environmental data	Conditions	Min	Typ	Max	Unit
Ambient temperature		-20		70	°C
Storage temperature		-40		105	°C
Soldering temperature	max. 5 sec			260	°C
Cleaning		fully sealed			