

DIMENSIONS (mm)

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

LAYOUT
pitch 2.54 mm/Top view

Test Circuit

MARKING

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

Thermal EMF = max. 1 microVolt

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		810	900	990	Ohm
Coil voltage			5		VDC
Rated power			27		mW
Pull-In voltage				3,8	VDC
Drop-Out voltage		1			VDC

Contact data 66	Conditions	Min	Typ	Max	Unit
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			1,25	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 VDC test voltage	10			GOhm
Breakdown voltage (<21 AT)	according to EN 60255-5	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
Number of contacts			2		
Contact - form			A - NO		
Dielectric Strength Coil/Contact	according to EN 60255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	100			GOhm
Case colour			silver metallic		
Housing material			Metal		
Sealing compound			Voltatex CE 12 FW-UL		
Connection pins			Copper alloy tin plated		
Magnetic Shield			no		
Reach / RoHS conformity			yes		



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Item No.:
8805271800
Item:
BT05-2A66
BT05-2A71

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		-35		95	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

General data	Conditions	Min	Typ	Max	Unit
Packaging					plastic tube a 39 pcs.

Modifications in the sense of technical progress are reserved

Designed at: 05.10.06 Designed by: WKOVACS
Last Change at: 27.04.12 Last Change by: WKOVACS

Approval at: 05.10.06 Approval by: RRIPPL
Approval at: 02.05.12 Approval by: CRUF

Version: 07

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