

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

Test Circuit

U Nom.
 µV
 Cu-bridge

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		270	300	330	Ohm
Coil voltage			5		VDC
Rated power			83		mW
Coil current			17		A
Pull-In voltage				3,8	VDC
Drop-Out voltage		0,4			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	10			TOhm
Breakdown voltage (<20 AT)		1,5			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			2		
Contact - form			A - NO		
Thermal Offset Voltage				1	µV
Case colour			blue		
Housing material			Metal DT4E		
Sealing compound			Polyurethan		
Connection pins			cu-alloy tinned		
Magnetic Shield			yes		
RoHS conformity			yes		



Products for tomorrow...

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Item No.:
8805285800
Item:
BTS05-2A85

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		105	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

General data	Conditions	Min	Typ	Max	Unit
Packaging					VPE

Modifications in the sense of technical progress are reserved

Designed at: 25.02.09 Designed by: WKOVACS Approval at: 04.03.09 Approval by: KOLBRICH
Last Change at: 04.09.09 Last Change by: KSCHIELENSKI Approval at: 23.11.09 Approval by: KOLBRICH

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