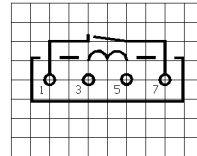
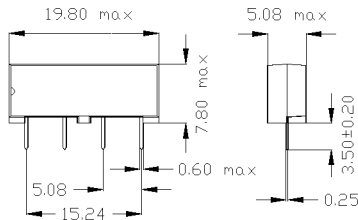


Belegung / layout : BELEGUNG



Aufdruck / marking :



Raster / pitch RASTERMAß
 Ansicht von oben / top view

dimensions / Abmessungen (mm)
 tolerances acc. to DIN ISO 2768-m

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		180	200	220	Ohm
Coil voltage			5		VDC
Rated power			125		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		109		K/W
Pull-In voltage				3,5	VDC
Drop-Out voltage		0,75			VDC

Contact data 90	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC/ with 40% overdrive			175	V
Switching current	DC or Peak AC/with 40% overdrive			0,5	A
Carry current	DC or Peak AC/ with 40% overdrive			1	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			TOhm
Breakdown voltage	according to IEC 255-5	0,2			kV DC
Operate time, incl. bounce	measured with 40% overdrive			0,7	ms
Release time	measured with no coil excitation			1,5	ms
Capacity	@ 10 kHz across open switch		1		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts				1	
Contact - form				B - NC	
Dielectric Strength Coil/Contact	according to IEC 255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	10			TOhm
Case colour				black	
Housing material				epoxy resin	
Connection pins				FeNi-alloy tin plated	
Magnetic Shield				no	
Reach / RoHS conformity				yes	
Approval				UL File No. NRNT2.E156887	
Approval				UL File No. NRNT8.E156887	

Modifications in the sense of technical progress are reserved

Designed at: 04.03.04 Designed by: SCHELLHORN
 Last Change at: 02.11.10 Last Change by: WKOVACS

Approval at: 07.09.09 Approval by: KSCHIELENSKI
 Approval at: 02.11.10 Approval by: CRUF

Version: 3



Products for tomorrow...

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Item No.:
3305190071
Item:
SIL05-1B90-71L

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

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