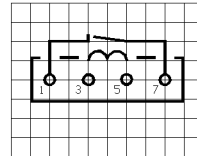
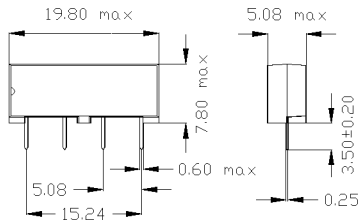


Preliminary Datasheet


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
Coil current			999		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		109		K/W
Inductance			999		mH
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	40°C, 95% R.H.	10			TOhm
Capacity Coil/Contact	@ 10 kHz		999		pF
Case colour					
Housing material			epoxy resin		
Sealing compound					
Connection pins			FeNi-alloy tin plated		
Magnetic Shield					
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 Approval at: 07.09.09 Approval by: KSCHIELENSKI
 Last Change at: 10.09.09 Last Change by: KSCHIELENSKI Approval at: Approval by:

Version: 2



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

Preliminary Datasheet

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

General data	Conditions	Min	Typ	Max	Unit
Total weight			999		g
Packaging					

Modifications in the sense of technical progress are reserved

Designed at: 04.03.04 Designed by: SCHELLHORN Approval at: 07.09.09 Approval by: KSCHIELENSKI
Last Change at: 10.09.09 Last Change by: KSCHIELENSKI Approval at: Approval by:

Version: 2