

**Dimensions mm[inch]**  
 tolerances acc. to DIN ISO 2768-m  
 Toleranzen gem. DIN ISO 2768-m

**Layout**  
 Top view  
 Draufsicht

**Isometric**  
 Scale 1:1  
 Maßstab 1:1

**Marking**  
 according to EN60062/factory code  
 gem. EN60062/Fertigungsstätte

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		180	200	220	Ohm
Coil voltage			5		VDC
Pull-In voltage				3,5	VDC
Drop-Out voltage		0,75			VDC

Contact data 90	Conditions	Min	Typ	Max	Unit
Contact-material		Rhodium			
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
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			250	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			GOhm
Breakdown voltage	according to IEC 255-5	0,25			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		Form C - Changeover			
Dielectric Strength Coil/Contact	according to EN 60255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	10			GOhm
Case colour		blue			
Housing material		PBT glass fibre reinforced			
Sealing compound		Polyurethan			
Connection pins		Copper alloy tin plated			
Reach / RoHS conformity		yes			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine, duration 11 ms, in 3 axis			50	g



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Item No.:  
**1305001050**  
Item:  
**DIL05-1C90-50L**

Environmental data	Conditions	Min	Typ	Max	Unit
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		70	°C
Storage temperature		-25		85	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

Modifications in the sense of technical progress are reserved

Designed at: 10.07.11    Designed by: KYANG  
Last Change at: 14.07.11    Last Change by: CRUF

Approval at: 13.07.11    Approval by: CRUF  
Approval at: 14.07.11    Approval by: CRUF

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