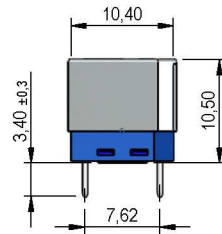
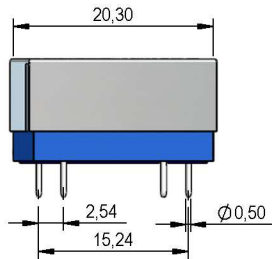
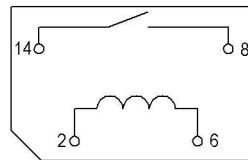


**Dimensions mm[inch]**  
 tolerances acc. to DIN ISO 2768-m  
 Toleranzen gem. DIN ISO 2768-m



**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		8,1	9	9,9	Ohm
Coil current				357	mA
Inductance			3,2		mH
Pull-In current				15	mA
Drop-Out current		5			mA

Contact data 71/7	Conditions	Min	Typ	Max	Unit
Contact-form			A		
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			5	W
Switching voltage (<15 AT)	DC or Peak AC			110	V
Switching current	DC or Peak AC			250	mA
Carry current	DC or Peak AC			1	A
Contact resistance static	Measured with 40% overdrive Start Value			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			TOhm
Breakdown voltage (<15 AT)	according to EN 60255-5	180			VDC
Operate time incl. bounce	measured with 40% overdrive			0,5	ms
Release time	measured with no coil excitation			0,1	ms
Capacity	@ 10 kHz across open switch		0,2		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts			1		
Contact - form			A - NO		
Dielectric Strength Coil/Contact	according to EN 60255-5	4,25			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	10			GOhm
Case color			blue		
Housing material			PBT glass fibre reinforced		
Sealing compound			Polyurethan		
Connection pins			cu-alloy tinned		
Magnetic Shield			yes		
Reach / RoHS conformity			yes		



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Item No.:

**1318109013**

Item:

**DIL-CL-1A81-9-13M**

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
Total weight			5,2		g
Packaging					plastic tube a 24 pcs.

Modifications in the sense of technical progress are reserved

Designed at: 27.01.11    Designed by: CRUF

Approval at: 09.03.11    Approval by: DRUDOLF

Last Change at: 03.08.16    Last Change by: WKOVACS

Approval at: 04.08.16    Approval by: DSTASTNY

Version: 07

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