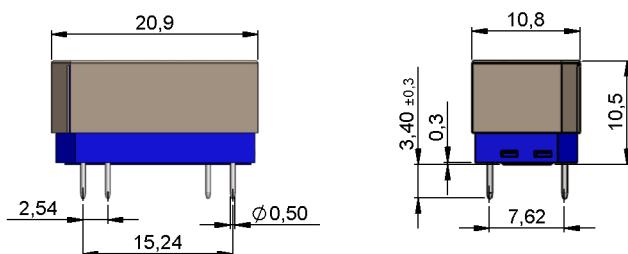
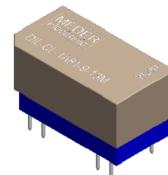


**Dimensions mm[inch]**  
tolerances acc. to DIN ISO 2768-m  
 Toleranzen gem. DIN ISO 2768-m



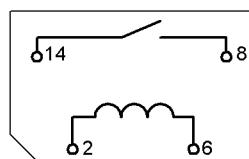
**Isometric**

Scale 1:2  
 Maßstab 1:2



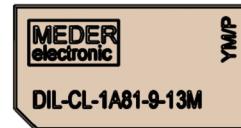
**Layout**

Top view  
 Draufsicht



**Marking**

according to EN60062/factory code  
 gem. EN60062/Fertigungsstätte



<b>Coil Data at 20 °C</b>	<b>Conditions</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>	<b>Unit</b>
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

<b>Contact data 71/7</b>	<b>Conditions</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>	<b>Unit</b>
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

<b>Special Product Data</b>	<b>Conditions</b>	<b>Min</b>	<b>Typ</b>	<b>Max</b>	<b>Unit</b>
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		



Products for  
tomorrow...

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USA: +1 / 508 295 0771 | Email: salesusa@meder.com

Asia: +852 / 2955 1682 | Email: salesasia@meder.com

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: 22.10.12 Last Change by: NMHAI

Approval at: 26.11.12 Approval by: SSCHNECKENBURGER Version: 06