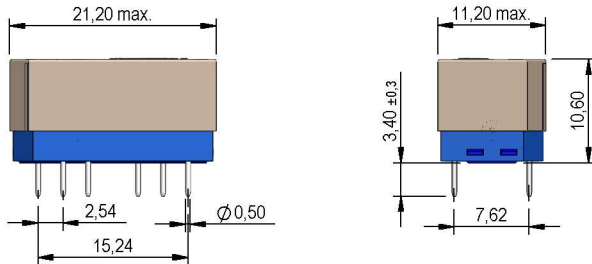
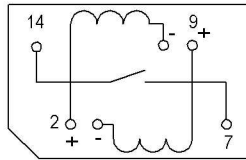


Dimensions mm[inch]
 tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m

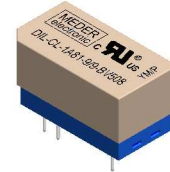


Layout
 Top view
 Draufsicht



L1 = +2 -10
 L2 = -3 +9

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 current			240		mA
Coil current	measured at 60°C		150		mA
Inductance			2,2		mH
Drop-Out current		5			mA
Pull-In current				15	mA
Coil resistance S1		8,1	9	9,9	Ohm
Coil resistance S2		8,1	9	9,9	Ohm
Longitudinal balance	with current of 15-200 mA @ 1kHz	63			dB

Contact data 81	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			5	W
Switching voltage	DC or Peak AC			90	V
Switching current	DC or Peak AC			0,5	A
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			GOhm
Breakdown voltage	according to EN 60255-5	100			VDC
Operate time incl. bounce	measured with 40% overdrive			0,5	ms
Release	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 60255-27	4			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC Measuring Voltage	10			GOhm
Insulating voltage coil1/coil2		0,25			kV DC
Capacity coil/coil			2.500		pF
Case color				blue	
Housing material				Crastin,SK 645FR, rated 94V-0, 140°C, E.I. Dupont	
Sealing compound				Polyurethan	
Connection pins				cu-alloy tinned	
Magnetic Shield				yes	
Approval				UL approved	
Reach / RoHS conformity				yes	

Modifications in the sense of technical progress are reserved

Designed at: 18.02.21 Designed by: WKOVACS
 Last Change at: Last Change by:

Approval at: 18.02.21 Approval by: DSTASTNY
 Approval at: Approval by:

Rev. No.: 01



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Item No.:
1318199508
 Item:
DIL-CL-1A81-9/9-BV508

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		-25		85	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Remarks		Loop Current - Telephone Line Sense Relay			

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