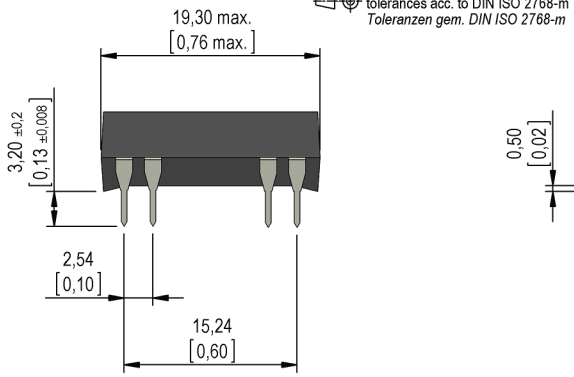
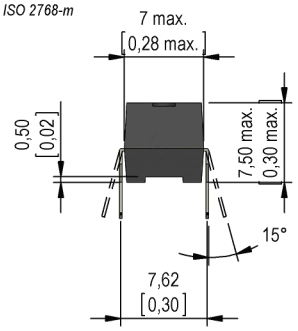
Europe: +49 / 7731 8399 0 | Email: info@standexmeder.com
USA: +1 / 508 295 0771 | Email: salesusa@standexmeder.com
Asia: +852 / 2955 1682 | Email: salesasia@standexmeder.com

Item No.:
3212190651
Item:
DIP12-1C90-51DHR

Dimensions mm[inch]

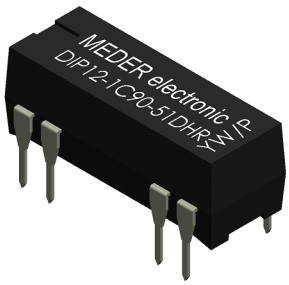
tolerances acc. to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m





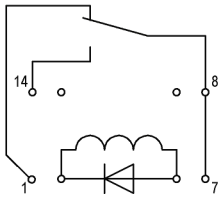
Isometric

Scale 1:2
Maßstab 1:2



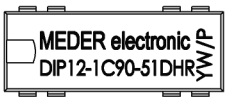
Layout

Top view
Draufsicht



Marking

according to EN60062/factory code
gem. EN60062/Fertigungsstätte



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		900	1.000	1.100	Ohm
Coil voltage			12		VDC
Rated power			144		mW
Coil current			12		mA
Thermal resistance			87		K/W
Inductance			108		mH
Pull-In voltage				9	VDC
Drop-Out voltage		1			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			GOhm
Breakdown voltage	according to EN 60255-5	200			VDC
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
Dielectric Strength Coil/Contact	according to EN 60255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC Measuring Voltage	5			TOhm
Capacity Coil/Contact	@ 10 kHz		1,6		pF
Housing material		epoxy resin			
Connection pins		FeNi-alloy tin plated			
Approval		UL-File No. NRNT8.E156887			
Approval		UL-File Nr. NRNT2.E156887			
Reach / RoHS conformity		yes			

Environmental data	Conditions	Min	Typ	Max	Unit

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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			