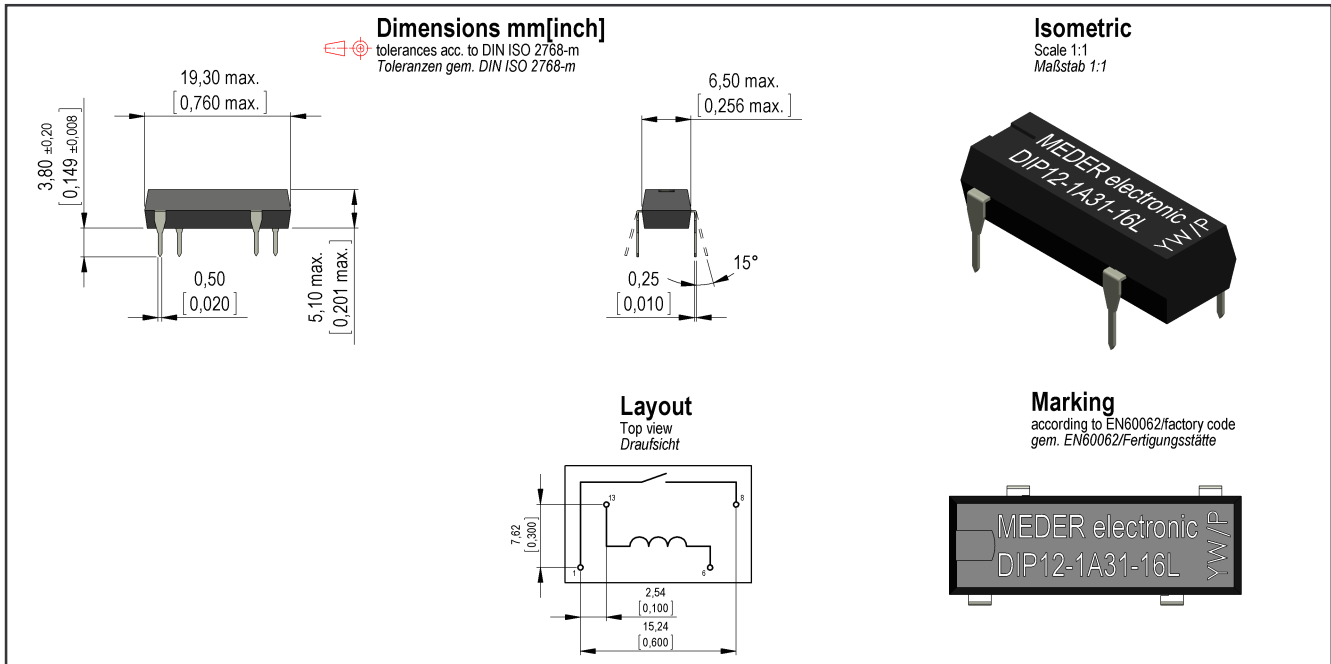


Preliminary Datasheet



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		360	400	440	Ohm
Coil voltage			12		VDC
Rated power			360		mW
Coil current			30		mA
Thermal resistance			105		K/W
Inductance			104		mH
Pull-In voltage				8,4	VDC
Drop-Out voltage		1,8			VDC

Contact data 31	Conditions	Min	Typ	Max	Unit
Switching suitability		bounce free			
Contact rating	Any DC combination of V & A up to 500V max. 50W, with 1000V max. 5W			50	W
Switching voltage	DC or Peak AC			500	V
Switching current	DC or Peak AC			2	A
Carry current	DC or Peak AC			2	A
Contact resistance static	Measured with 40% overdrive Start Value			80	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			130	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	100			GOhm
Breakdown voltage	according to EN 60255-5	1.500			VDC
Release Time	measured with no coil excitation			1	ms
Operate time, bounce free	measured with nominal voltage at 20°C			1,2	ms
Capacity	@ 10 kHz across open switch		0,3		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Dielectric Strength Coil/Contact	according to EN 60255-5	2			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	5			TOhm
Capacity Coil/Contact	@ 10 kHz		0,8		pF
Housing material		epoxy resin			
Connection pins		CuFe2P, tin plated			
Approval		UL-File No. NRNT2.E156887			
Approval		UL-File No. NRNT8.E156887			
Reach / RoHS conformity		no			



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Item:
DIP12-1A31-16L

Preliminary Datasheet

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
Packaging					25 pcs. per tube

Modifications in the sense of technical progress are reserved

Designed at: 13.09.07 Designed by: THAUKE
Last Change at: 12.03.13 Last Change by: THAUKE

Approval at: 13.09.07 Approval by: RRIPL
Approval at: Approval by:

Version: 7