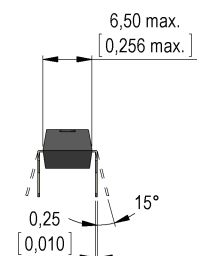
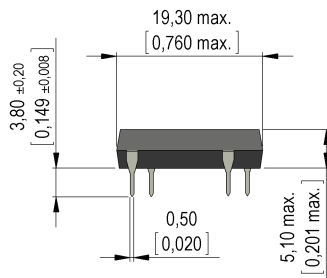


Preliminary Datasheet

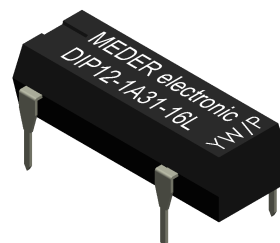
Dimensions mm[inch]

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



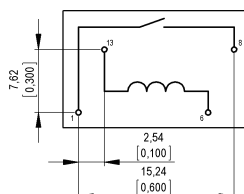
Isometric

Scale 1:1
 Maßstab 1:1



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		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			



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

Item No.:
3212131016
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: RRIPPL
Approval at: Approval by:

Version: 7

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com