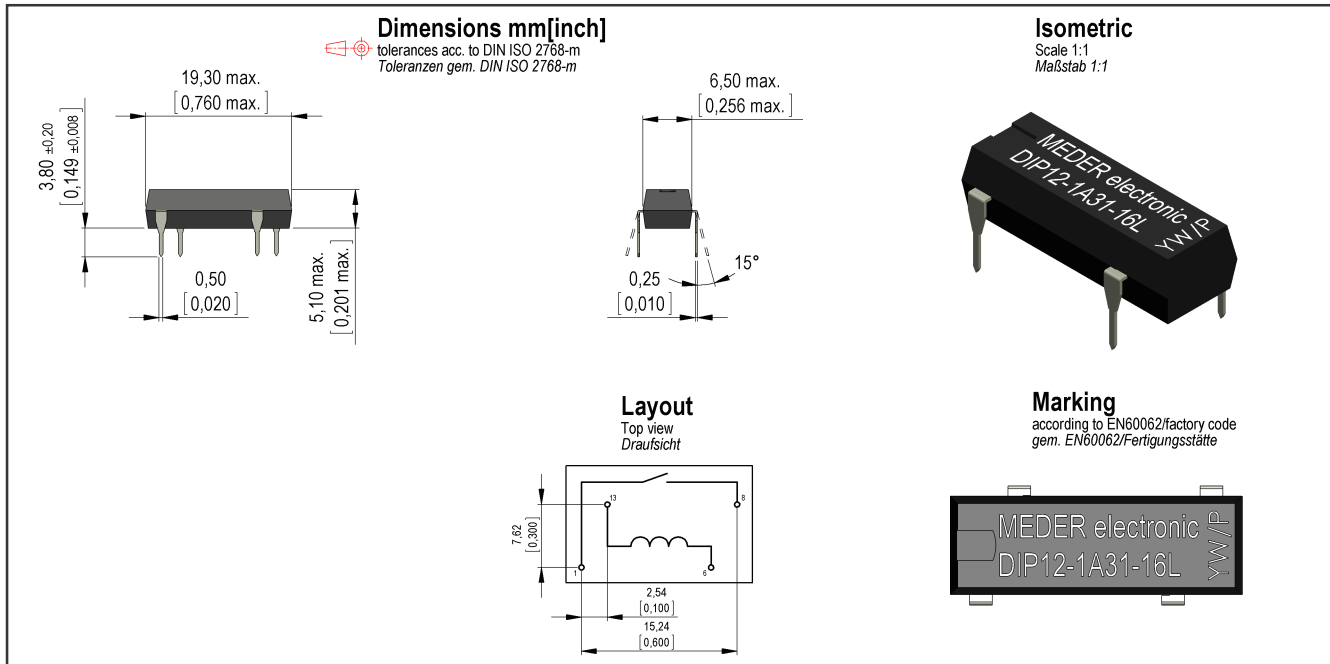


Preliminary Datasheet



| 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 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: RRIPL
Approval at: Approval by:

Version: 7