



CII

TE Internal #: 3-1617570-9

TO-5/.100 Grid Relays, Contact Arrangement 2 Form C, DPDT, 2 C /O, 5.3VDC Input Voltage, Coil Suppression Diode, Without MOSFET Driver

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Relays, Contactors & Switches > Relays > Mil-Aero Relays > TO-5/.100 Grid Relays



Contact Arrangement: 2 Form C, DPDT, 2 C/O

Input Voltage: 5.3 VDC

Coil Suppression Diode: With

MOSFET Driver: Without

Transistor Driver: Without

Features

Product Type Features

|                |                                     |
|----------------|-------------------------------------|
| Enclosure Type | Hermetically Sealed                 |
| Relay Type     | Military/Aerospace High Performance |
| Coil Latching  | Without                             |
| Product Type   | Relay                               |
| MOSFET Driver  | Without                             |

Configuration Features

|                   |         |
|-------------------|---------|
| Transistor Driver | Without |
|-------------------|---------|

Electrical Characteristics

|                        |                           |
|------------------------|---------------------------|
| Coil Magnetic System   | Non-Polarized, Monostable |
| Vibration              | 30G's, 10 – 3000Hz        |
| Actuating System       | DC                        |
| Shock                  | 75G's, 6ms                |
| Coil Power Measurement | Milliwatts                |
| Input Voltage          | 5.3 VDC                   |
| Coil Suppression Diode | With                      |
| Coil Voltage           | 9 VDC                     |
| Coil Resistance        | 220 Ω                     |



|                                 |         |
|---------------------------------|---------|
| Coil Power Rating (DC)          | 368 mW  |
| Coil Polarity Protection Diode  | Without |
| Contact Switching Voltage (Max) | 28      |

Contact Features

|                        |                       |
|------------------------|-----------------------|
| Contact Current Class  | Low Level – 1 A       |
| Contact Arrangement    | 2 Form C, DPDT, 2 C/O |
| Contact Current Rating | 1 A                   |

Termination Features

|                  |         |
|------------------|---------|
| Termination Type | PC Pins |
|------------------|---------|

Mechanical Attachment

|               |                       |
|---------------|-----------------------|
| Mounting Type | Printed Circuit Board |
|---------------|-----------------------|

Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Operating Temperature Range | -65 – 125 °C |
|-----------------------------|--------------|

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Not Compliant                                                                                                                 |
| EU ELV Directive 2000/53/EC                   | Not Compliant                                                                                                                 |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                          |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUN 2020 (209)<br>Candidate List Declared Against: JAN 2018 (181)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                           |
| Solder Process Capability                     | Not lead free process capable                                                                                                 |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on



requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

TE Model / Part # 2-1617031-3  
HFW1201K46 = M39016/6-209L

Customers Also Bought

TE Model / Part #1-1423152-0  
2112DH3NE=RLY,MINI,ON,2P,HERM

TE Model / Part #1617005-5  
B07D992BB2-0117 = M5757/23-007

TE Model / Part #1617167-7  
JMSCDD-26XPS = M39016/21-046P

TE Model / Part #1-1617168-3  
JMSCT-26XPS = M28776/3-046P

TE Model / Part #1616021-6  
SA136A=CONTACTOR 3PST N.O. 75

TE Model / Part #1-1616037-6  
DHR7B=CONTACTOR - 3PDT

TE Model / Part #3-1617536-2  
HFW1230F01P=M39016/6-119P

TE Model / Part #4-1617514-0  
3SAT1338A2=M5757/13-121

TE Model / Part #1-1618273-5  
H-16C=RELAY, VACUUM, DPDT

TE Model / Part #3-1617118-0  
J1MACDD-12XP = M39016/24-028P

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model



[ENG\\_CVM\\_CVM\\_3-1617570-9\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1617570-9\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1617570-9\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[5-1773450-5\\_sec1\\_MGA](#)

English