



CII

TE Internal #: 8-1617542-7

TO-5/.100 Grid Relays, Contact Arrangement 2 Form C, DPDT, 2 C /O, 3.5VDC 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: 3.5 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          | 3.5 VDC                   |
| Coil Suppression Diode | With                      |
| Coil Voltage           | 6 VDC                     |
| Coil Resistance        | 98 Ω                      |



|                                 |         |
|---------------------------------|---------|
| Coil Power Rating (DC)          | 367 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: JUL 2019 (201)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content  |
| 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the



product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Model / Part # 1617037-9  
HFW5A1201K00 = HFW 5AMP RELAY

Customers Also Bought

TE Model / Part #3-1546686-6  
6PCV-22-009=#6 TRIBARRIER

TE Model / Part #2-1617146-0  
JMGACD-6M = M39016/18-032M

TE Model / Part #3-535512-7  
82 MODII HORZ DR CE EESS .100

TE Model / Part #536067-5  
096 EURO TYP R PIN AP MFBL ASY

TE Model / Part #1-103324-5  
30 MODII HDR DRR A B/A .100CL

TE Model / Part #1532279-4  
M83513/25-F01NP = MCKS-N1-P-37SST1

TE Model / Part #1617148-9  
JMGAPD-6M = M39016/18-026M

TE Model / Part #2-640456-3  
23P MTA100 HDR ASSY F/L SQ STR

TE Model / Part #331034-000  
55A1111-28-9-9

TE Model / Part #5-1437559-3  
MTM306DPC=SW TOG SHORT LEVER P

Documents

- CAD Files
- 3D PDF
- 3D



Customer View Model

[ENG\\_CVM\\_CVM\\_8-1617542-7\\_O.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-1617542-7\\_O.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_8-1617542-7\\_O.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

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

English

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