

FCB-205-0228M

✓ ACTIVE

CII | CII FCB-205 Series

TE Internal #: 5-1617758-4

General Purpose Power Relay, DC, Polarized, Monostable, 2 Form C DPDT-CO, 5 A Contact Rating, 28 VDC Coil Voltage, Socket Mount, CII FCB-205 Series

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Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **General Purpose Power Relay**

Coil Magnetic System: **Polarized, Monostable**

Contact Arrangement: **2 Form C DPDT-CO**

Current Type: **DC**

Contact Current Rating: **5 A**

Features

Product Type Features

|                        |                             |
|------------------------|-----------------------------|
| Relay & Contactor Type | General Purpose Power Relay |
|------------------------|-----------------------------|

Configuration Features

|                       |                        |
|-----------------------|------------------------|
| Coil Special Features | Coil Suppression Diode |
| Relay Options         | Back EMF Suppression   |
| Contact Arrangement   | 2 Form C DPDT-CO       |

Electrical Characteristics

|                        |        |
|------------------------|--------|
| Coil Resistance        | 500 Ω  |
| Contact Current Rating | 5 A    |
| Coil Voltage Rating    | 28 VDC |

Body Features

|                |                     |
|----------------|---------------------|
| Enclosure Type | Hermetically Sealed |
|----------------|---------------------|

Contact Features

|                  |                      |
|------------------|----------------------|
| Contact Material | Silver Cadmium Oxide |
| Terminal Plating | Gold                 |

Termination Features

|                                    |             |
|------------------------------------|-------------|
| Main Termination & Connection Type | Socket Pins |
| Coil Termination & Connection Type | Socket Pins |



Mechanical Attachment

|                               |                   |
|-------------------------------|-------------------|
| Product Mounting Feature Type | Post Polarization |
| Product Mount Type            | Socket Mount      |

Usage Conditions

|                                         |                            |
|-----------------------------------------|----------------------------|
| Operating Temperature Range             | -70 – 125 °C[-94 – 257 °F] |
| Environmental Ambient Temperature (Max) | 125 °C[257 °F]             |

Operation/Application

|                      |                       |
|----------------------|-----------------------|
| Vibration Resistance | 20G's, 500 – 3000Hz   |
| Shock Resistance     | 50G's, 11ms           |
| Coil Magnetic System | Polarized, Monostable |
| Current Type         | DC                    |

Other

|                       |           |
|-----------------------|-----------|
| Contact Current Class | >2 – ≤5 A |
|-----------------------|-----------|

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 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold                                                                                                                                                                                                                                                                                                                                                                                                     |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>Cadmium oxide (10% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                                                                                                                                                                                                                                                                                                                                                       |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                                                                                                                                                                                                                                                                                                                                           |

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 Part # 1-1617761-0  
FCB-405-CY4



TE Part # 4-1617787-2  
FCB-405-0607L=M83536/6-007L



TE Part # 6-1617787-2  
FCB-405-0623L=M83536/6-023L



TE Part # 6-1617760-2  
FCB-405-0516M=M83536/5-016M



TE Part # 3-1617787-2  
FCB-405-0601M=M83536/6-001M



TE Part # 1617787-2  
FCB-405-0513M=M83536/5-013M

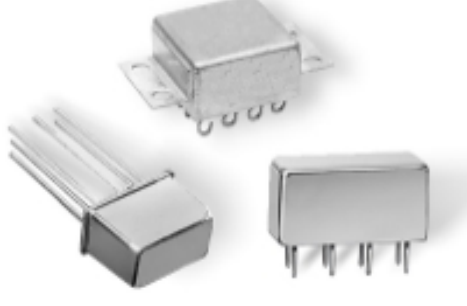


TE Part # 7-1617760-9  
FCB-405-0619M=M83536/6-019M

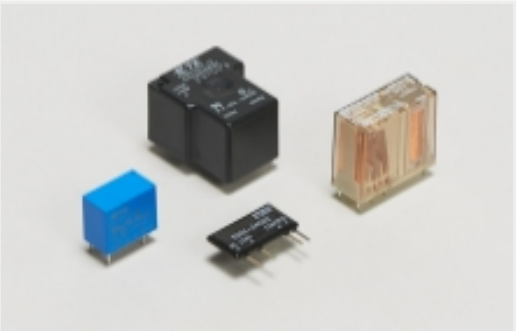


TE Part # 7-1617760-2  
FCB-405-0609M=M83536/6-009M

Also in the Series | CII FCB-205 Series



DC Relays(41)



General Purpose Power Relays(41)



PCB Relays(19)

Customers Also Bought



TE Part #ELS210E2MD  
ELS210E2MD=RELAY



TE Part #697120-000  
MTC100-JA2-P14



TE Part #EA215N6GD  
EA215N6GD=RELAY



TE Part #ES325EHCD  
ES325EHCD=RELAY

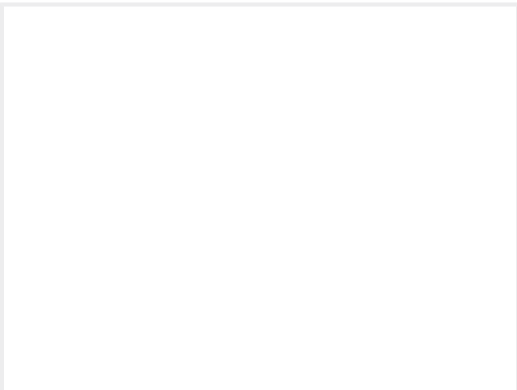




TE Part #EA415N6KD  
EA415N6KD=RELAY



TE Part #34110  
SOLIS R 22-16 COMM 22-18 MIL 6



TE Part #04560952-000  
MTG BLOCK ASSY SS, HR, XS-D

Documents

Product Drawings

FCB-205-0228M=M83536/2-028M

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_5-1617758-4\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1617758-4\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5-1617758-4\_E.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\_sec5\_FCB-205

English