



IHV

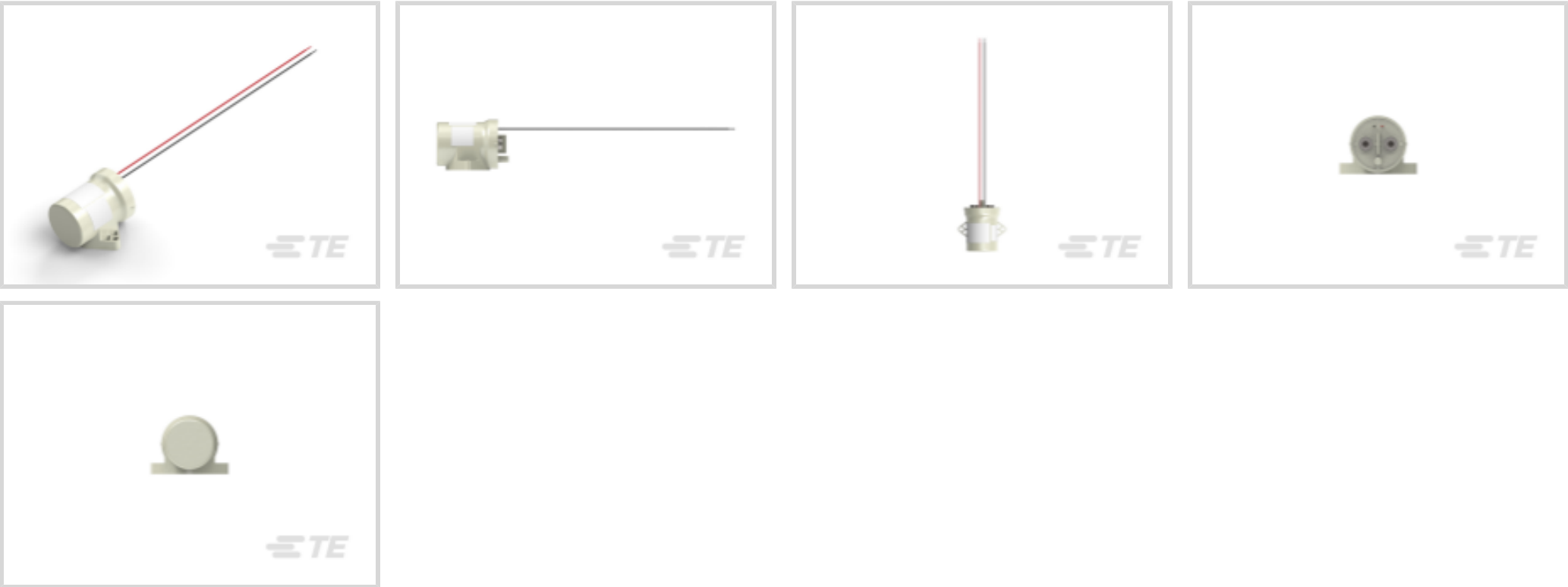
TE Internal #: 2071407-2

General Purpose Contactor, DC, 1 Form X SPST-NO-DM, 50 A

Contact Rating, 24 VDC Coil Voltage, 6 W Coil Power, Panel Mount, Hermetically Sealed, IHV

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Relays & Contactors > Electromechanical Relays



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

Contact Current Rating: **50 A**

Contact Arrangement: **1 Form X SPST-NO-DM**

Current Type: **DC**

Coil Voltage Rating: **24 VDC**

Features

Product Type Features

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

Configuration Features

|                                      |                     |
|--------------------------------------|---------------------|
| Auxiliary Switch Contact Arrangement | Without             |
| Contact Arrangement                  | 1 Form X SPST-NO-DM |
| Contact Number of Poles              | 3                   |

Electrical Characteristics

|                                                       |           |
|-------------------------------------------------------|-----------|
| Contact Switching Voltage (Max)                       | 900 VDC   |
| Contact Current Rating                                | 50 A      |
| Coil Voltage Rating                                   | 24 VDC    |
| Coil Resistance                                       | 96 Ω      |
| Coil Power Rating DC                                  | 6 W       |
| Insulation Initial Dielectric Between Contacts & Coil | 2000 Vrms |

Body Features

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



|                                                                 |                                  |
|-----------------------------------------------------------------|----------------------------------|
| Contact Features                                                |                                  |
| Contact Material                                                | Copper                           |
| Termination Features                                            |                                  |
| Main Termination & Connection Type                              | M5 Female                        |
| Coil Termination & Connection Type                              | Flying Leads                     |
| Mechanical Attachment                                           |                                  |
| Torque (Main)                                                   | 30 – 40 in-lbs                   |
| Product Mounting Feature Type                                   | Mounting Plate, Screw            |
| Product Mount Type                                              | Panel Mount                      |
| Dimensions                                                      |                                  |
| Product Width                                                   | 39.5 mm[1.555 in]                |
| Product Length                                                  | 53.9 mm[2.122 in]                |
| Product Height                                                  | 58 mm[2.283 in]                  |
| Usage Conditions                                                |                                  |
| Operating Temperature Range                                     | -40 – 85 °C[-40 – 185 °F]        |
| Environmental Ambient Temperature (Max)                         | 85 °C[185 °F]                    |
| Operation/Application                                           |                                  |
| Current Type                                                    | DC                               |
| Packaging Features                                              |                                  |
| Packaging Method                                                | Box                              |
| Other                                                           |                                  |
| Contact Current Class                                           | >32 – ≤50 A                      |
| Coil Power Rating Class                                         | >3 – ≤10 W                       |
| Height Class (Mechanical)                                       | >45 – ≤70 mm[>1.772 – ≤2.756 in] |
| Length Class (Mechanical)                                       | >45 – ≤70 mm[>1.772 – ≤2.756 in] |
| Width Class (Mechanical)                                        | >33 mm[>1.299 in]                |
| Product Compliance                                              |                                  |
| For compliance documentation, visit the product page on TE.com> |                                  |
| EU RoHS Directive 2011/65/EU                                    | Compliant                        |
| EU ELV Directive 2000/53/EC                                     | Compliant                        |
|                                                                 |                                  |



|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free                                                |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                      |

Product Compliance Disclaimer

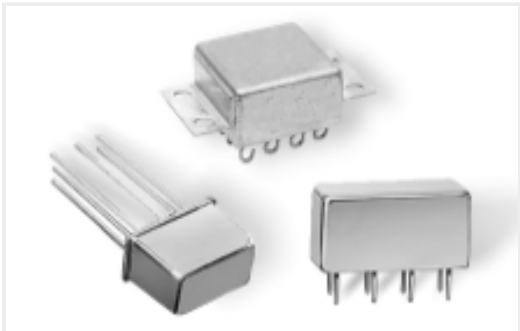
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2071407-1  
[IHV50A4ANG](#)

Also in the Series | [IHV](#)



DC Relays(20)



Electromechanical Relays(20)



General Purpose Contactors(20)

Customers Also Bought

IHV50A5ANG

General Purpose Contactor, DC, 1 Form X SPST-NO-DM, 50 A Contact Rating, 24 VDC Coil Voltage, 6 W Coil Power, Panel Mount, Hermetically Sealed, IHV



TE Part #HDP24-18-20SN  
REC, 20P, BLK, N, 16/20, S

TE Part #HD34-24-91PE  
REC, 9P, AL, E, 8/12/16, P

TE Part #880443-000  
CWT-3803-W2

TE Part #801913-SF  
FN3120H-50-53

TE Part #D369-P33-NP1  
369 3 WAY PLUG, CRIMP, PIN

TE Part #YD369-G99-NP400000  
369 9 WAY INLINE 90 PCB REC, GOLD, PIN

TE Part #3-1622796-6  
YR1 0.1% 68K1

TE Part #2102847-1  
DC, 7Row, Center, MULTIGIG RT 2R

TE Part #2118651-8  
RF CA,UMCC GEN1-GEN1,1.13MM CABLE,L200MM

TE Part #1-2329383-5  
PB OFF/ON FC BLU M3 TERM. IP68

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2071407-2\_A3.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2071407-2\_A3.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2071407-2\_A3.3d\_stp.zip

English

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

Datasheets & Catalog Pages

IHV50\_EN

English

IHV50\_CN

English



Agency Approvals

CQC\_CERT\_2017010304992699\_C1

English