2071631-2 ✔ ACTIVE

ECPS350B

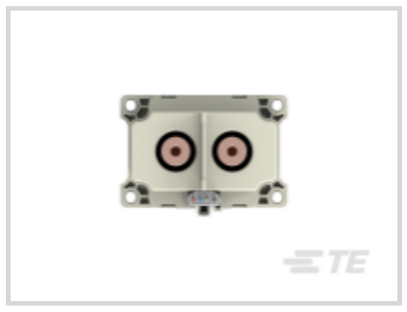
TE Internal #: 2071631-2

High Voltage Contactor, DC, Polarized, Monostable, 1 Form X (DM), 350 A Contact Rating, 24 VDC Coil Voltage, 5 W Coil Power, Panel Mount, ECPS350B

View on TE.com >

Relays & Contactors > Electromechanical Relays > High Voltage Contactors, hermetically sealed, ceramic technology







Relay & Contactor Type: **High Voltage Contactor**

Contact Current Rating: **350 A**

Coil Magnetic System: **Polarized, Monostable**

Contact Arrangement: **1 Form X (DM)**

Current Type: **DC**

All High Voltage Contactors, hermetically sealed, ceramic technology (26)

Features

Product Type Features

Relay & Contactor Type	High Voltage Contactor

Configuration Features

Contact Special Features	Bridging Contacts
Relay Options	Energy Saving Intelligence Feature
Phase	Single
Coil Special Features	Internal Coil Switch
Auxiliary Switch Contact Arrangement	1 Form A, SPST-NO
Contact Arrangement	1 Form X (DM)
Contact Number of Poles	1

Electrical Characteristics

Contact Limiting Continuous Current	350 A
Contact Limiting Breaking Current	2000 A

Insulation Initial Dielectric Between Open Contacts	5400 Vrms
Coil Current	.208 A
Contact Switching Load (Min)	100mA @ 12V
Insulation Initial Resistance	1000 MΩ
Coil Power Rating Economized (Min)	5000 mW
Contact Switching Voltage (Max)	1500 VDC
Contact Current Rating	350 A
Coil Voltage Rating	24 VDC
Coil Power Rating DC	5 W
Insulation Initial Dielectric Between Contacts & Coil	5400 Vrms

Body Features

Primary Product Color	Gray
Enclosure Type	Hermetically Sealed

Contact Features

Contact Material	Copper

Termination Features

Auxiliary Termination & Connection Type	Flying Lead
Main Termination & Connection Type	Screw Terminals
Coil Termination & Connection Type	Flying Leads

Mechanical Attachment

Product Mounting Feature Type	Flange with Mounting Holes
Torque (Main)	7 – 88.5 in-lbs
Product Mount Type	Panel Mount

Dimensions

Insulation Clearance Between Contact & Coil	8 mm
Product Width	70 mm
Product Length	104 mm
Product Height	107.9 mm
Coil Wire Length	390 mm
Wire Size	20 AWG

Usage Conditions

Operating Temperature Range	-40 – 85 °C

Environmental Ambient Temperature (Max)	85 °C

Operation/Application

Timing Range (Off-Time)	1 – 30 seconds
Repeatability (Max)	±15%
Coil Magnetic System	Polarized, Monostable
Current Type	DC

Industry Standards

IP Rating	IP00

Packaging Features

Packaging Method	Box & Carton

Other

Coil Power Rating Class	>3 – ≤10 W

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) Candidate List Declared Against: JUNE 2025 (250) 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 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

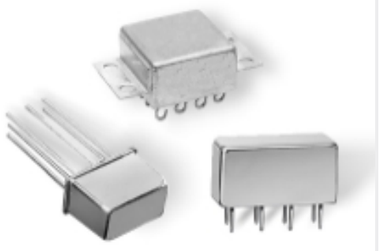
product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles 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 Part # 2071631-1
ECPS350BHAADA

Also in the Series | ECPS350B



DC Relays(2)

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_2071631-2_2.2d_dxf.zip
English

3D PDF
3D

Customer View Model
ENG_CVM_CVM_2071631-2_2.3d_stp.zip
English

Customer View Model
ENG_CVM_CVM_2071631-2_2.3d_igs.zip
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

High-Voltage Contactor ECPS350B Series
English

Agency Approvals

UL

English