

2203194-1 ✓ ACTIVE

EVC | EVC 135 Main Contactor

TE Internal #: 2203194-1

Automotive Contactors, 12 VDC Coil Voltage, None, None, 450 VDC Rated Voltage, 660 A Contact Limiting Breaking Current, EVC 135 Main Contactor

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Relays, Contactors & Switches > Contactors > Automotive Contactors



Rated Coil Voltage: 12 VDC

Contact Current Class: 100 – 134 A

Coil Suppress: None

Relay Terminal Type: None

Rated Voltage: 450 VDC

Features

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	1000 – 1500 V
Coil Power Rating Economized (Min)	1400 mW
Insulation Initial Dielectric Between Open Contacts	2920 Vrms
Contact Limiting Making Current	600 A
Insulation Initial Dielectric Between Contacts & Coil	2920 Vrms
Contact Switching Voltage (Max)	450 VDC
Coil Resistance	15.3 Ω
Coil Magnetic System	Monostable, DC
Rated Coil Voltage	12 VDC
Coil Suppress	None
Rated Voltage	450 VDC
Contact Limiting Breaking Current	660 A

Body Features

Product Weight	180 g[6.4 oz]
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Contact Features

Contact Base Material	Copper
Contact Current Class	100 – 134 A



Relay Terminal Type	None
Contact Arrangement	1 form X (NO, DM)

Mechanical Attachment

Mounting Type	Screw
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Dimensions

Height Class (Mechanical)	50 – 60 mm
Product Width	53.8 mm[2.12 in]
Product Length	58 mm[2.28 in]
Product Height	58 mm[2.28 in]

Usage Conditions

Environmental Ambient Temperature Class	-40 – 85 °C
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Other

Relay Type	EVC 135 Main Contactor
Mounting Brackets	Without

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUL 2019 (201) SVHC > Threshold: Pb (.35% in Component part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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>

Also in the Series | [EVC 135 Main Contactor](#)



Automotive Contactors(10)

Documents

Product Drawings

[EVC135, RELAY, SPST NO](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2203194-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2203194-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2203194-1_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Automotive Relay Application Notes](#)

English

[High Voltage Relays & Contactors, EVC 135 Contactor](#)

English

Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

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English