

2138602-1 ✓ ACTIVE

EVC | EVC 135 Main Contactor

TE Internal #: 2138602-1

EVC 135 Main Contactor, Automotive Contactors, 24 VDC Coil Voltage, None, None, 450 VDC Rated Voltage, 660 A Contact Limiting Breaking Current

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Relays, Contactors & Switches > Contactors > Automotive Contactors



Rated Coil Voltage: **24 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 Uneconomized	6000 mW
Insulation Initial Dielectric Between Open Contacts	2920 Vrms
Contact Limiting Making Current	600 A
Coil Power Rating Economized (Min)	1700 mW
Insulation Initial Dielectric Between Contacts & Coil	2920 Vrms
Contact Switching Voltage (Max)	450 VDC
Coil Resistance	96 Ω
Coil Magnetic System	Monostable, DC
Rated Coil Voltage	24 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
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Contact Current Class	100 – 134 A
Relay Terminal Type	None
Contact Arrangement	1 form X (NO, DM)

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: JAN 2022 (223) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 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>

Also in the Series | EVC 135 Main Contactor



Automotive Contactors(9)

Customers Also Bought



TE Part #1658622-1
10 NOVO MIL/CTR 30DP, LEAD FREE



TE Part #770361-000
MWTM-16/5-1200-S-(B25)



TE Part #2209908-1
025 40POSTION CAP ASSY(V-TYPE)



TE Part #1-2311788-1
12POS, HYBRID, HDR ASSY, 90DEG, SLDR



TE Part #2291364-1
4POS, PIN DIA 0.6, HEADER ASSY, CODE A



TE Part #1-2333210-0
1POS, FAKRA AUT, HDR ASSY, 180DEG, COD K



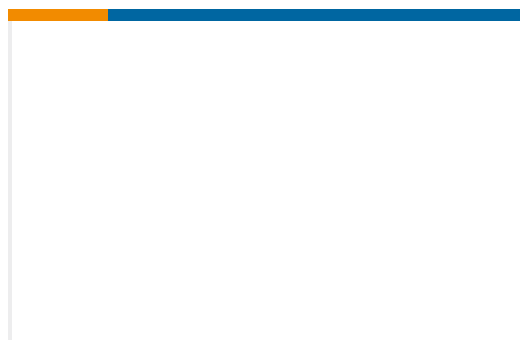
TE Part #2291354-1
PLUG SHELL BOTTOM, 0.50 HSL CONNECTOR



TE Part #2293641-1
PLUG HOUSING BODY 0.50 HSL CONN. KEY-A



TE Part #2293641-3
PLUG HOUSING BODY 0.50 HSL CONN. KEY-C



TE Part #2293734-1
PLUG HOUSING CAVITY, 4 POS 0.50 HSL CONN

Documents

Product Drawings



RELAY, EVC135, 24 VDC COIL

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2138602-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2138602-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2138602-1_B.3d_stp.zip](#)

English

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

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

English