



Relays & Contactors > Electromechanical Relays > Power Relay, 300A, Bistable, 2 Coils, Polarized, EC



Relay & Contactor Type: **Intelligent Power Relay**

Coil Magnetic System: **Bistable, 2 Coils, Polarized**

Contact Arrangement: **1 Form A SPST-NO**

Current Type: **DC**

Contact Current Rating: **300 A**

[All Power Relay, 300A, Bistable, 2 Coils, Polarized, EC \(6\)](#)

Features

Product Type Features

Relay & Contactor Type	Intelligent Power Relay
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Configuration Features

Relay Options	Energy Saving Intelligence Feature
Contact Number of Poles	1
Coil Special Features	Coil Suppression Diode
Contact Arrangement	1 Form A SPST-NO

Electrical Characteristics

Coil Resistance	2.1 – 2.6 Ω
Contact Current Rating	300 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	12 VDC

Body Features

Enclosure Type	Environmentally Sealed
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Contact Features

Contact Material	AgSnO2
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Termination Features

Main Termination & Connection Type	M10 Male
Coil Termination & Connection Type	M4 Screw

Mechanical Attachment

Product Mounting Feature Type	Mounting Brackets
Product Mount Type	Chassis Mount

Dimensions

Product Width	62 mm[2.44 in]
Product Length	116.5 mm[4.58 in]
Product Height	55.65 mm[2.19 in]

Usage Conditions

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

Operation/Application

Coil Magnetic System	Bistable, 2 Coils, Polarized
Current Type	DC

Packaging Features

Packaging Method	Carton
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Other

Coil Power Rating Class	≤.15 W
Contact Current Class	>200 – ≤500 A
Height Class (Mechanical)	>45 – ≤70 mm[>1.772 – ≤2.756 in]
Length Class (Mechanical)	>70 mm[>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	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: FEB 2026 (253)



Candidate List Declared Against: Not Yet Reviewed

SVHC > Threshold:

Pb (5% in Component)

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	Not Yet Reviewed for halogen content
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 # K1142045
Relay 31-311-12-E

Also in the Series | KISSLING Series 31



Automotive Relays(23)

Customers Also Bought





TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING

Documents

Product Drawings

Relay 31-311-11-E

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_31-311-11-E_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_31-311-11-E_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_31-311-11-E_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

KISSLING BI-STABLE RELAYS WITH INTERNAL CONTROL ELECTRONICS Series 31 / ENERGY

English