



CONTACTOR RELAY 31E EN 50 011 3NO+1NC,  
SCREW TERMINAL INCORPORATED VARISTOR DC  
OPERATION,  
COIL 2W COIL VOLTAGE TOLERANCE 0.7 TO 1.25X US  
DC 110V

### General details:

<b>Size of the contactor</b>		0
<b>Ambient temperature</b> • during operating	°C	-40 ... +70
<b>Protection class IP / on the front</b>		IP20
<b>Reference code</b> • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 • according to DIN EN 61346-2 • according to DIN EN 81346-2		K K K

### Control circuit:

<b>Voltage type / of control feed voltage</b>		DC
<b>Control supply voltage</b> • for DC / rated value	V	110

### Auxiliary circuit:

<b>Operating current / at AC-15</b> • at 230 V / rated value • at 400 V / rated value	A A	4 3
<b>Identification number and letter for switching elements</b>		31 E

<b>Number of NC contacts / for auxiliary contacts</b>		1
• lagging switching		0
• delayed switching		0
• asynchronous switching		0
<b>Number of NO contacts / for auxiliary contacts</b>		3
• leading switching		0
• delayed switching		0
• asynchronous switching		0
<b>Number of changeover contacts / for auxiliary contacts</b>		0

#### Connection type:

<b>Design of the surge suppressor</b>		with varistor
<b>Design of the electrical connection / for auxiliary and control current circuit</b>		screw-type terminals

#### Mechanical design:

<b>Mounting type</b>		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
<b>Width</b>	mm	45
<b>Height</b>	mm	48
<b>Depth</b>	mm	68

#### Certificates/approvals:

<b>General Product Approval</b>	<b>Functional Safety / Safety of Machinery</b>	<b>Declaration of Conformity</b>
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[Type Examination](#)



#### Test Certificates

[other](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

#### Shipping Approval



LRS



RMRS

#### other

[Declaration of Conformity](#)

[Environmental Confirmations](#)

#### Safety:

<b>Protection against electrical shock</b>		finger-safe
<b>B10 value / with high demand rate</b>		400,000
• according to SN 31920		With 0.3 x Ie
• note		

T1 value / for proof test interval or service life / according to IEC 61508

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**Further information:**

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrial-controls/mall>

**Cax online generator**

<http://www.siemens.com/cax>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/3TH2031-0LF4/all>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3TH2031-0LF4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TH2031-0LF4)

**last change:**

Jun 16, 2014