

CONTACTOR RELAY 31E EN 50 011 3NO+1NC,  
TAB CONNECTOR SCREW MOUNTING (DIAGONAL) DC  
OPERATION DC SOLENOID SYSTEM DC 110V



General details:		
Size of the contactor		0
Ambient temperature		
• during operating	°C	-25 ... +55
Protection class IP / on the front		IP00
Reference code		
• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		K
• according to DIN EN 61346-2		K
• according to DIN EN 81346-2		K
Control circuit:		
Voltage type / of control feed voltage		DC
Control supply voltage		
• for DC / rated value	V	220
Auxiliary circuit:		
Operating current / at AC-15		
• at 230 V / rated value	A	4
• at 400 V / rated value	A	3
Identification number and letter for switching elements		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:

**Design of the electrical connection / for auxiliary and control current circuit**

tab terminals 6.3 mm

#### Mechanical design:

**Mounting type**

screw fixing

**Width**

mm 50

**Height**

mm 36

**Depth**

mm 64.5

#### Certificates/approvals:

**General Product Approval**

**Functional Safety /  
Safety of  
Machinery**

**Declaration of  
Conformity**



CCC



CSA



UL

[Type Examination](#)



EG-Konf.

#### Test Certificates

[other](#)

[Special Test  
Certificate](#)

[Type Test  
Certificates/Test  
Report](#)

#### Shipping Approval

**other**



DNV



GL



LRS



RMRS

[Declaration of  
Conformity](#)

[Environmental  
Confirmations](#)

#### Safety:

**B10 value / with high demand rate**

• according to SN 31920

• note

400,000

With 0.3 x I<sub>e</sub>

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

a

20

#### Further information:

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

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

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**Industry Mall (Online ordering system)**

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

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**Cax online generator**

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

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

<http://support.automation.siemens.com/WW/view/en/3TH2031-7BF4/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3TH2031-7BF4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TH2031-7BF4)

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**last change:**

Jun 16, 2014