

CONTACTOR RELAY 31E EN 50 011 3NO+1NC,  
SOLDER-PIN CONNECTION SCREW MOUNTING  
(DIAGONAL) DC OPERATION DC SOLENOID SYSTEM DC  
24V



### 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 | 24 |

### 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**

solder pin connectors

#### Mechanical design:

**Mounting type**

screw fixing

**Width**

mm

50

**Height**

mm

36

**Depth**

mm

63

#### Certificates/approvals:

**General Product Approval**

**Functional Safety /  
Safety of  
Machinery**

**Declaration of Conformity**



CCC



CSA



[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/3TH2031-6BB4/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=3TH2031-6BB4](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TH2031-6BB4)

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**last change:**

Jun 16, 2014