



CONTACTOR RELAY 31E EN 50 011 3NO+1NC,  
TAB CONNECTOR SNAP-ON MOUNTING ON STANDARD  
MOUNTING RAIL AC OPERATION AC 230/220V 50HZ,  
276/264V 60HZ

| 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 |    | AC  |
| Control supply voltage frequency       |    |     |
| • 1                                    | Hz | 50  |
| • 2                                    | Hz | 60  |
| Control supply voltage                 |    |     |
| • at 50 Hz / at AC / rated value       | V  | 230 |
| • at 60 Hz / at AC / rated value       | V  | 277 |

| Auxiliary circuit: |  |  |
|--------------------|--|--|
|--------------------|--|--|

|                                                                |   |      |
|----------------------------------------------------------------|---|------|
| <b>Operating current / at AC-15</b>                            |   |      |
| • at 230 V / rated value                                       | A | 4    |
| • at 400 V / rated value                                       | A | 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:

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

tab terminals 6.3 mm

#### Mechanical design:

**Mounting type**

screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022

**Width**

mm

45

**Height**

mm

48

**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

400,000

• note

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

a

With 0.3 x Ie

20

#### 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/3TH2031-3AP0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3TH2031-3AP0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TH2031-3AP0)

**last change:**

Jun 16, 2014