

CONTACTOR RELAY 31E EN 50 011 3NO+1NC, SCREW  
TERMINALS DIODE OR VARISTOR PLUGGABLE DC  
OPERATION, COIL 2W DC 24V



Figure similar

| General technical data:                                                             |                |
|-------------------------------------------------------------------------------------|----------------|
| Size of contactor                                                                   | 0              |
| Ambient temperature during operation                                                | -25 ... +55 °C |
| Protection class IP on the front                                                    | IP20           |
| Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | K              |
| Equipment marking acc. to DIN EN 61346-2                                            | K              |
| Equipment marking acc. to DIN EN 81346-2                                            | K              |
| Control circuit/ Control:                                                           |                |
| Type of voltage of the control supply voltage                                       | DC             |
| Control supply voltage                                                              | 24 V           |
| • at DC                                                                             |                |
| — rated value                                                                       |                |
| Auxiliary circuit:                                                                  |                |
| Operating current at AC-15                                                          | 4 A            |
| • at 230 V rated value                                                              |                |
| • at 400 V rated value                                                              |                |

|                                                         |      |
|---------------------------------------------------------|------|
| Identification number and letter for switching elements | 31 E |
| Number of NC contacts for auxiliary contacts            | 1    |
| • lagging switching                                     | 0    |
| • delayed switching                                     | 0    |
| • make-before-break switching                           | 0    |
| Number of NO contacts for auxiliary contacts            | 3    |
| • delayed switching                                     | 0    |
| • leading contact                                       | 0    |
| • make-before-break switching                           | 0    |
| Number of CO contacts for auxiliary contacts            | 0    |

#### Connections/ Terminals:

|                                                                         |                      |
|-------------------------------------------------------------------------|----------------------|
| Type of electrical connection for auxiliary and control current circuit | screw-type terminals |
|-------------------------------------------------------------------------|----------------------|

#### Mechanical data:

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

#### Certificates/approvals

| General Product Approval | Functional Safety/Safety of Machinery | Declaration of Conformity |
|--------------------------|---------------------------------------|---------------------------|
|--------------------------|---------------------------------------|---------------------------|



[Baumusterbescheinigung](#)



| Test Certificates                                                                                                       | Shipping Approval   | other                   |
|-------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------|
| <a href="#">Typprüfbescheinigung/Werkszeugnis</a> <a href="#">spezielle Prüfbescheinigungen</a> <a href="#">sonstig</a> | LRS            RMRS | <a href="#">sonstig</a> |

| other                             |
|-----------------------------------|
| <a href="#">Umweltbestätigung</a> |

#### Safety related data:

|                                                                           |                           |
|---------------------------------------------------------------------------|---------------------------|
| <b>Protection against electrical shock</b>                                | finger-safe               |
| B10 value with high demand rate acc. to SN 31920                          | 400 000                   |
| • Note                                                                    | With 0.3 x I <sub>e</sub> |
| <b>T1 value for proof test interval or service life acc. to IEC 61508</b> | 20 y                      |

#### Further information

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

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

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TH2031-0DB4>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TH2031-0DB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH2031-0DB4>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TH2031-0DB4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH2031-0DB4&lang=en)

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