

CONTACTOR RELAY 31E EN 50 011 3NO+1NC, SCREW  
 TERMINALS AC OPERATION AC 230/220V 50HZ, 276/264V 60HZ



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 | AC   |
| Control supply voltage frequency              | <ul style="list-style-type: none"> <li>• 1 rated value 50 Hz</li> <li>• 2 rated value 60 Hz</li> </ul>   |
| Control supply voltage                        | <ul style="list-style-type: none"> <li>• at AC                             <ul style="list-style-type: none"> <li>— at 50 Hz</li> <li>— rated value 230 V</li> <li>— at 60 Hz</li> </ul> </li> </ul> |

— rated value

277 V

#### Auxiliary circuit:

|  |      |
|--|------|
| <b>Operating current at AC-15</b>                              |      |
| • at 230 V rated value   | 4 A  |
| • at 400 V rated value   | 3 A  |
| <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    |
| • make-before-break switching                                  | 0    |
| <b>Number of NO contacts for auxiliary contacts</b>            | 3    |
| • delayed switching  | 0    |
| • leading contact  | 0    |
| • make-before-break switching                                  | 0    |
| <b>Number of CO contacts for auxiliary contacts</b>            | 0    |

#### Connections/ Terminals:

|  |                      |
|--|----------------------|
| <b>Type of electrical connection for auxiliary and control current circuit</b> | screw-type terminals |
|--|----------------------|

#### Mechanical data:

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

#### Certificates/approvals

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



[Baumusterbescheinigung](#)



|                   |                   |       |
|-------------------|-------------------|-------|
| Test Certificates | Shipping Approval | other |
|-------------------|-------------------|-------|

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|       |
|-------|
| other |
|-------|

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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 Ie |
| <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=3TH20310AP0>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TH20310AP0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH20310AP0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TH20310AP0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH20310AP0&lang=en)

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