



Figure similar

contactor relay, 100E, EN 50011 10 NO, screw terminal, AC operation, 230 V AC 50/60 Hz

|                                                                         |                                                                          |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------|
| product designation                                                     | Auxiliary contactor                                                      |
| product type designation                                                | 3TH4                                                                     |
| size of contactor                                                       | 0                                                                        |
| reference code according to IEC 81346-2                                 | K                                                                        |
| Substance Prohibitance (Date)                                           | 12/31/2099                                                               |
| Weight                                                                  | 0.454 kg                                                                 |
| ambient temperature during operation                                    | -25 ... +55 °C                                                           |
| type of voltage of the control supply voltage                           | AC                                                                       |
| control supply voltage at AC                                            |                                                                          |
| • at 50 Hz rated value                                                  | 230 V                                                                    |
| • at 60 Hz rated value                                                  | 230 V                                                                    |
| control supply voltage frequency                                        |                                                                          |
| • 1 rated value                                                         | 50 Hz                                                                    |
| • 2 rated value                                                         | 60 Hz                                                                    |
| number of NC contacts for auxiliary contacts                            | 0                                                                        |
| • delayed switching                                                     | 0                                                                        |
| • lagging switching                                                     | 0                                                                        |
| • make-before-break switching                                           | 0                                                                        |
| number of NO contacts for auxiliary contacts                            | 10                                                                       |
| • delayed switching                                                     | 0                                                                        |
| • leading contact                                                       | 0                                                                        |
| • make-before-break switching                                           | 0                                                                        |
| number of CO contacts for auxiliary contacts                            | 0                                                                        |
| identification number and letter for switching elements                 | 100 E                                                                    |
| operational current at AC-15                                            |                                                                          |
| • at 230 V rated value                                                  | 10 A                                                                     |
| • at 400 V rated value                                                  | 6 A                                                                      |
| fastening method                                                        | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 |
| height                                                                  | 78 mm                                                                    |
| width                                                                   | 55 mm                                                                    |
| depth                                                                   | 102 mm                                                                   |
| type of electrical connection for auxiliary and control circuit         | screw-type terminals                                                     |
| Safety related data                                                     |                                                                          |
| product function positively driven operation according to IEC 60947-5-1 | Yes                                                                      |
| B10 value with high demand rate according to SN 31920                   | 1 000 000; With 0.3 x I <sub>e</sub>                                     |
| IEC 61508                                                               |                                                                          |
| T1 value                                                                |                                                                          |

- for proof test interval or service life according to IEC 61508

20 a

#### Electrical Safety

protection class IP on the front according to IEC 60529

IP00; IP20 with screws tightened, even for contacts not in use

#### Approvals Certificates

##### General Product Approval



[KC](#)



| Functional Safety                            | Test Certificates                        |                                             |                                                    |                               | other                                                                               |
|----------------------------------------------|------------------------------------------|---------------------------------------------|----------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|
| <a href="#">Type Examination Certificate</a> | <a href="#">Miscellaneous</a>            | <a href="#">Special Test Certificate</a>    | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Miscellaneous</a> |  |
| other                                        | Railway                                  | Environment                                 |                                                    |                               |                                                                                     |
| <a href="#">Confirmation</a>                 | <a href="#">Special Test Certificate</a> | <a href="#">Environmental Confirmations</a> |                                                    |                               |                                                                                     |

#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

<https://www.siemens.com/ic10>

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

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TH4310-0AL2>

##### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TH4310-0AL2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH4310-0AL2>

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

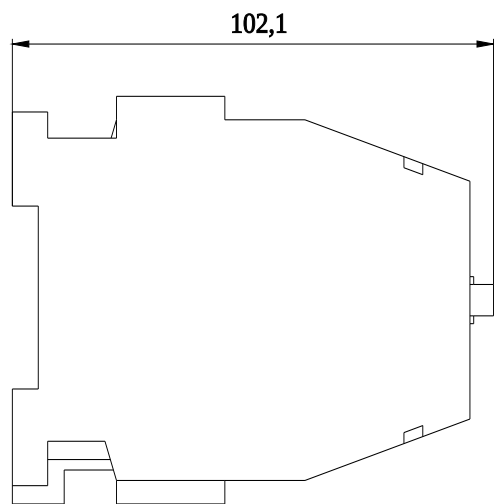
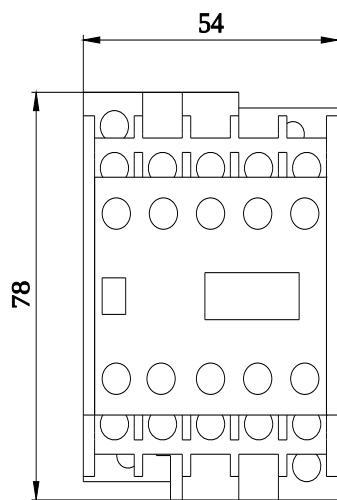
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TH4310-0AL2&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH4310-0AL2&lang=en)

##### Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3TH4310-0AL2/char>

##### Further characteristics (e.g. electrical endurance, switching frequency)

<https://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TH4310-0AL2&objecttype=14&gridview=view1>



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4/2/2025 