



Contactor relay, 55E, EN 50011, 5 NO + 5 NC, screw terminal, DC operation, 180 V DC

|                                                                         |                                                                          |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------|
| product designation                                                     | Auxiliary contactor                                                      |
| product type designation                                                | 3TH4                                                                     |
| size of contactor                                                       | 0                                                                        |
| reference code according to IEC 81346-2                                 | K                                                                        |
| Substance Prohibitance (Date)                                           | 03/01/2017                                                               |
| ambient temperature during operation                                    | -25 ... +55 °C                                                           |
| type of voltage of the control supply voltage                           | DC                                                                       |
| control supply voltage at DC                                            |                                                                          |
| • rated value                                                           | 180 V                                                                    |
| number of NC contacts for auxiliary contacts                            | 5                                                                        |
| • delayed switching                                                     | 0                                                                        |
| • lagging switching                                                     | 0                                                                        |
| • make-before-break switching                                           | 0                                                                        |
| number of NO contacts for auxiliary contacts                            | 5                                                                        |
| • 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                 | 55 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                                                                   | 135 mm                                                                   |
| type of electrical connection for auxiliary and control circuit         | screw-type terminals                                                     |
| Safety related data                                                     |                                                                          |
| B10 value with high demand rate according to SN 31920                   | 1 000 000; With 0.3 x I <sub>e</sub>                                     |
| T1 value for proof test interval or service life according to IEC 61508 | 20 a                                                                     |
| protection class IP on the front according to IEC 60529                 | IP00                                                                     |
| Certificates/ approvals                                                 |                                                                          |
| General Product Approval                                                |                                                                          |
| Functional Safety/Safety of Machinery                                   |                                                                          |



KC



Type Examination Certificate

| Declaration of Conformity                                                         |                                                                                   | Test Certificates                                  |                               |                                          |                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|------------------------------------------|-------------------------------|
|  |  | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Miscellaneous</a> | <a href="#">Special Test Certificate</a> | <a href="#">Miscellaneous</a> |
|                                                                                   |                                                                                   |                                                    |                               |                                          |                               |
| Marine / Shipping                                                                 | other                                                                             | Railway                                            |                               |                                          |                               |
|  | <a href="#">Confirmation</a>                                                      | <a href="#">Special Test Certificate</a>           |                               |                                          |                               |

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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=3TH4355-0BK4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TH4355-0BK4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH4355-0BK4>

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

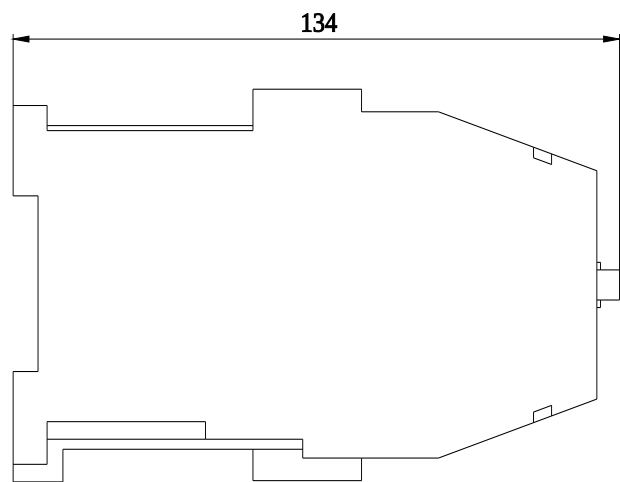
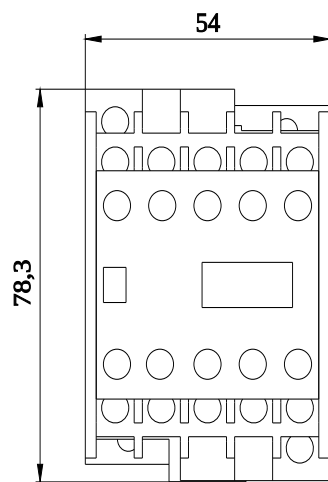
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TH4355-0BK4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH4355-0BK4&lang=en)

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH4355-0BK4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TH4355-0BK4&objecttype=14&gridview=view1>



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