



Figure similar

Contactor relay, 55E, EN 50011, 5 NO + 5 NC, screw terminal, DC operation, 24 V DC

|                                                                         |                                                                          |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>product designation</b>                                              | Auxiliary contactor                                                      |
| <b>product type designation</b>                                         | 3TH4                                                                     |
| <b>size of contactor</b>                                                | 0                                                                        |
| <b>reference code according to IEC 81346-2</b>                          | K                                                                        |
| <b>Substance Prohibitance (Date)</b>                                    | 03/01/2017                                                               |
| <b>Weight</b>                                                           | 0.702 kg                                                                 |
| ambient temperature during operation                                    | -25 ... +55 °C                                                           |
| <b>type of voltage of the control supply voltage</b>                    | DC                                                                       |
| <b>control supply voltage at DC rated value</b>                         | 24 V                                                                     |
| <b>number of NC contacts for auxiliary contacts</b>                     | 5                                                                        |
| • delayed switching                                                     | 0                                                                        |
| • lagging switching                                                     | 0                                                                        |
| • make-before-break switching                                           | 0                                                                        |
| <b>number of NO contacts for auxiliary contacts</b>                     | 5                                                                        |
| • delayed switching                                                     | 0                                                                        |
| • leading contact                                                       | 0                                                                        |
| • make-before-break switching                                           | 0                                                                        |
| number of CO contacts for auxiliary contacts                            | 0                                                                        |
| <b>identification number and letter for switching elements</b>          | 55 E                                                                     |
| <b>operational current at AC-15</b>                                     |                                                                          |
| • at 230 V rated value                                                  | 10 A                                                                     |
| • at 400 V rated value                                                  | 6 A                                                                      |
| <b>fastening method</b>                                                 | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022 |
| <b>height</b>                                                           | 78 mm                                                                    |
| <b>width</b>                                                            | 55 mm                                                                    |
| <b>depth</b>                                                            | 135 mm                                                                   |
| type of electrical connection for auxiliary and control circuit         | screw-type terminals                                                     |
| <b>Safety related data</b>                                              |                                                                          |
| product function positively driven operation according to IEC 60947-5-1 | Yes                                                                      |
| <b>B10 value with high demand rate according to SN 31920</b>            | 1 000 000; With 0.3 x Ie                                                 |
| <b>IEC 61508</b>                                                        |                                                                          |
| <b>T1 value</b>                                                         |                                                                          |
| • for proof test interval or service life according to IEC 61508        | 20 a                                                                     |
| <b>Electrical Safety</b>                                                |                                                                          |
| <b>protection class IP on the front according to IEC 60529</b>          | IP00; IP20 with screws tightened, even for contacts not in use           |
| <b>Approvals Certificates</b>                                           |                                                                          |
| <b>General Product Approval</b>                                         |                                                                          |



[KC](#)



| Functional Safety | Test Certificates | other |  |  |  |
|-------------------|-------------------|-------|--|--|--|
|-------------------|-------------------|-------|--|--|--|

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#### Further information

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=3TH4355-0BB4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TH4355-0BB4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH4355-0BB4>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TH4355-0BB4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH4355-0BB4&lang=en)

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH4355-0BB4/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TH4355-0BB4&objecttype=14&gridview=view1>



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