



Figure similar

contactor, AC-1, 4-pole, 1000 A, main contacts 4 NO, auxiliary contacts 2 NO + 2 NC, AC operation 110 V AC 50 Hz/120 V AC 60 Hz

|                                                                |                      |
|----------------------------------------------------------------|----------------------|
| <b>product type designation</b>                                | 3TK17                |
| protection class IP on the front                               | IP00                 |
| <b>reference code according to IEC 81346-2</b>                 | Q                    |
| <b>Substance Prohibitance (Date)</b>                           | 07/01/2006           |
| <b>Net Weight</b>                                              | 20.2 kg              |
| ambient temperature during operation                           | -25 ... +55 °C       |
| <b>number of poles for main current circuit</b>                | 4                    |
| <b>number of NO contacts for main contacts</b>                 | 4                    |
| <b>number of NC contacts for main contacts</b>                 | 0                    |
| <b>operational current</b>                                     |                      |
| • at AC-1 at 400 V                                             | 1 000 A              |
| — at ambient temperature 40 °C rated value                     |                      |
| • at AC-3 at 400 V rated value                                 | 700 A                |
| <b>operating power</b>                                         |                      |
| • at AC-1 at 400 V rated value                                 | 655 kW               |
| • at AC-3 at 400 V rated value                                 | 370 kW               |
| <b>type of voltage of the control supply voltage</b>           | AC                   |
| <b>control supply voltage at AC</b>                            |                      |
| • at 50 Hz rated value                                         | 110 V                |
| <b>control supply voltage frequency</b>                        |                      |
| • <b>1 rated value</b>                                         | 50 Hz                |
| • <b>2 rated value</b>                                         | 60 Hz                |
| <b>control version of the switch operating mechanism</b>       | conventional         |
| <b>number of NC contacts for auxiliary contacts</b>            | 2                    |
| • instantaneous contact                                        | 2                    |
| • lagging switching                                            | 0                    |
| number of NO contacts for auxiliary contacts                   |                      |
| • instantaneous contact                                        | 2                    |
| • leading contact                                              | 0                    |
| <b>identification number and letter for switching elements</b> | 22                   |
| fastening method side-by-side mounting                         | Yes                  |
| <b>fastening method</b>                                        | screw fixing         |
| <b>height</b>                                                  | 272 mm               |
| <b>width</b>                                                   | 266 mm               |
| <b>depth</b>                                                   | 225.5 mm             |
| <b>type of electrical connection</b>                           |                      |
| • for main current circuit                                     | screw-type terminals |
| • for auxiliary and control circuit                            | screw-type terminals |

## Approvals Certificates

|             |                          |
|-------------|--------------------------|
| Environment | General Product Approval |
|-------------|--------------------------|

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firmations](#)



|                   |       |
|-------------------|-------|
| Test Certificates | other |
|-------------------|-------|

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[Confirmation](#)

## 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=3TK1742-0AF0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TK1742-0AF0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TK1742-0AF0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TK1742-0AF0&lang=en)

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TK1742-0AF0>

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP='HAUPT'></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP='HAUPT'></mmp_prod_no>)

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