

Auxiliary switch block, with flat connector terminal Left, for 3TF44...3TF50 and 3TK48...3TK50

|                                                                          |                                     |
|--------------------------------------------------------------------------|-------------------------------------|
| <b>product category</b>                                                  | Auxiliary switch                    |
| <b>product designation</b>                                               | auxiliary switch                    |
| <b>design of the product</b>                                             | Plug-in system                      |
| <b>product type designation</b>                                          | 3TY7                                |
| <b>suitability for use</b>                                               | Contactor relay and power contactor |
| <b>General technical data</b>                                            |                                     |
| <b>size of contactor</b>                                                 | 2 ... 14                            |
| insulation voltage with degree of pollution 3 at AC rated value          | 690 V                               |
| <b>surge voltage resistance rated value</b>                              | 6 kV                                |
| protection class IP on the front                                         | IP20                                |
| <b>mechanical service life (operating cycles) typical</b>                | 10 000 000                          |
| <b>Substance Prohibitance (day/month/year)</b>                           | 07/01/2006                          |
| <b>Net Weight</b>                                                        | 0.049 g                             |
| <b>number of NC contacts for auxiliary contacts</b>                      |                                     |
| • instantaneous contact                                                  | 1                                   |
| • lagging switching                                                      | 0                                   |
| <b>number of NO contacts for auxiliary contacts</b>                      |                                     |
| • instantaneous contact                                                  | 1                                   |
| • leading contact                                                        | 0                                   |
| <b>number of CO contacts of auxiliary contacts instantaneous contact</b> | 0                                   |
| operational current at AC-15 at 690 V rated value                        | 2.3 A                               |
| <b>operational current of auxiliary contacts at AC-12</b>                |                                     |
| • at 24 V                                                                | 10 A                                |
| • at 230 V                                                               | 10 A                                |
| <b>operational current of auxiliary contacts at AC-14</b>                |                                     |
| • at 125 V                                                               | 10 A                                |
| <b>operational current of auxiliary contacts at AC-12 maximum</b>        | 10 A                                |
| <b>operational current of auxiliary contacts at AC-15</b>                |                                     |
| • at 24 V                                                                | 10 A                                |
| • at 230 V                                                               | 5.6 A                               |
| • at 400 V                                                               | 3.6 A                               |
| <b>operational current of auxiliary contacts at DC-12</b>                |                                     |
| • at 24 V                                                                | 10 A                                |
| • at 110 V                                                               | 3.2 A                               |
| • at 220 V                                                               | 0.9 A                               |
| <b>operational current of auxiliary contacts at DC-13</b>                |                                     |
| • at 24 V                                                                | 10 A                                |
| • at 48 V                                                                | 5 A                                 |
| • at 60 V                                                                | 5 A                                 |
| • at 110 V                                                               | 1.14 A                              |
| • at 125 V                                                               | 0.98 A                              |
| • at 220 V                                                               | 0.48 A                              |
| <b>Ambient conditions</b>                                                |                                     |
| <b>ambient temperature</b>                                               |                                     |
| • during operation                                                       | -25 ... +55 °C                      |
| • during storage                                                         | -55 ... +80 °C                      |
| <b>Safety related data</b>                                               |                                     |
| <b>product function</b>                                                  |                                     |
| • positively driven operation according to IEC 60947-5-1                 | Yes                                 |

| Installation/ mounting/ dimensions                                                    |                                                                       |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| fastening method                                                                      | snap-on mounting                                                      |
| height                                                                                | 70 mm                                                                 |
| width                                                                                 | 12 mm                                                                 |
| depth                                                                                 | 51.5 mm                                                               |
| Connections/ Terminals                                                                |                                                                       |
| type of electrical connection for auxiliary and control circuit                       | 2.8 mm plug-in technology                                             |
| <b>connectable conductor cross-section for auxiliary contacts</b>                     |                                                                       |
| • solid or stranded                                                                   | 0.5 ... 2.5 mm <sup>2</sup>                                           |
| • finely stranded with core end processing                                            | 0.5 ... 2.5 mm <sup>2</sup>                                           |
| <b>type of connectable conductor cross-sections</b>                                   |                                                                       |
| • for auxiliary contacts                                                              |                                                                       |
| — solid or stranded                                                                   | 2x (0,5 ... 1,0 mm <sup>2</sup> ), 2x (1,0 ... 2,5 mm <sup>2</sup> )  |
| — finely stranded with core end processing                                            | 2x (0.5 ... 1.0 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) |
| • for AWG cables for auxiliary contacts                                               | 2x (18 ... 12)                                                        |
| <b>AWG number as coded connectable conductor cross section for auxiliary contacts</b> | 18 ... 12                                                             |
| Approvals Certificates                                                                |                                                                       |
| Environment                                                                           | General Product Approval                                              |

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#### 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=3TY7561-2A>

##### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TY7561-2A>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TY7561-2A>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TY7561-2A&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TY7561-2A&lang=en)

last modified:

5/9/2025