

Contactor, Size 00, 3-pole, AC-3 4 kW/400 V, screw terminal  
Auxiliary switch 10E (1 NO) 110 V AC 50 Hz/132 V AC 60 Hz AC  
operation



Figure similar

|                                          |                     |
|------------------------------------------|---------------------|
| Product designation                      | Miniature contactor |
| Product type designation                 | 3TF2                |
| General technical data                   |                     |
| Size of contactor                        | 0                   |
| Protection class IP                      |                     |
| • on the front                           | IP20                |
| Reference code acc. to DIN EN 81346-2    | Q                   |
| Ambient conditions                       |                     |
| Ambient temperature                      |                     |
| • during operation                       | -25 ... +55 °C      |
| Main circuit                             |                     |
| Number of poles for main current circuit | 3                   |
| Number of NO contacts for main contacts  | 3                   |
| Number of NC contacts for main contacts  | 0                   |
| Operating current                        |                     |
| • at AC-3                                |                     |

|                                                          |                                                                                        |
|----------------------------------------------------------|----------------------------------------------------------------------------------------|
| — at 400 V rated value                                   | 9 A                                                                                    |
| • at AC-4 at 400 V rated value                           | 2.6 A                                                                                  |
| <b>Operating power</b>                                   |                                                                                        |
| • at AC-1                                                |                                                                                        |
| — at 400 V rated value                                   | 10 kW                                                                                  |
| • at AC-3                                                |                                                                                        |
| — at 400 V rated value                                   | 4 kW                                                                                   |
| • at AC-4 at 400 V rated value                           | 1 150 W                                                                                |
| <b>Control circuit/ Control</b>                          |                                                                                        |
| <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                                                                                  |
| • at 60 Hz rated value                                   | 132 V                                                                                  |
| <b>Control version of the switch operating mechanism</b> | conventional                                                                           |
| <b>Auxiliary circuit</b>                                 |                                                                                        |
| <b>Number of NC contacts for auxiliary contacts</b>      |                                                                                        |
| • instantaneous contact                                  | 0                                                                                      |
| <b>Number of NO contacts for auxiliary contacts</b>      |                                                                                        |
| • instantaneous contact                                  | 1                                                                                      |
| <b>Installation/ mounting/ dimensions</b>                |                                                                                        |
| <b>Mounting type</b>                                     | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| • Side-by-side mounting                                  | Yes                                                                                    |
| <b>Height</b>                                            | 48 mm                                                                                  |
| <b>Width</b>                                             | 45 mm                                                                                  |
| <b>Depth</b>                                             | 68 mm                                                                                  |
| <b>Connections/Terminals</b>                             |                                                                                        |
| <b>Type of electrical connection</b>                     |                                                                                        |
| • for main current circuit                               | screw-type terminals                                                                   |
| • for auxiliary and control current circuit              | screw-type terminals                                                                   |
| <b>Certificates/approvals</b>                            |                                                                                        |

|                          |                                       |                           |
|--------------------------|---------------------------------------|---------------------------|
| General Product Approval | Functional Safety/Safety of Machinery | Declaration of Conformity |
|--------------------------|---------------------------------------|---------------------------|



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## Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TF2010-0AF0>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TF2010-0AF0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TF2010-0AF0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TF2010-0AF0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TF2010-0AF0&lang=en)

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TF2010-0AF0/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TF2010-0AF0&objecttype=14&gridview=view1>

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