



Auxiliary switch block, for coil switchover in DC economy circuit with screw terminal for 3TF57...3TF69

| General technical data   |                                     |
|--|-------------------------------------|
| <b>suitability for use</b>   | Contactor relay and power contactor |
| <b>protection class IP on the front</b>                                | IP20                                |
| <b>ambient temperature</b>   |                                     |
| • during storage   | -55 ... +80 °C                      |
| • during operation   | -25 ... +55 °C                      |
| <b>mechanical service life (switching cycles) typical</b>              | 10 000 000                          |
| <b>insulation voltage with degree of pollution 3 at AC rated value</b> | 690 V                               |
| <b>surge voltage resistance rated value</b>                            | 6 kV                                |
| Auxiliary circuit  |                                     |
| <b>number of NC contacts for auxiliary contacts</b>                    |                                     |
| • instantaneous contact  | 0                                   |
| • lagging switching  | 1                                   |
| <b>number of NO contacts for auxiliary contacts</b>                    |                                     |
| • instantaneous contact  | 1                                   |
| • leading contact  | 0                                   |
| <b>operational current of auxiliary contacts at AC-12</b>              |                                     |
| • at 24 V  | 10 A                                |
| • at 230 V   | 10 A                                |
| • maximum  | 10 A                                |
| <b>operational current</b>   |                                     |
| • of auxiliary contacts  |                                     |
| — at AC-14   |                                     |
| — at 125 V   | 10 A                                |
| — at AC-15   |                                     |
| — at 24 V  | 10 A                                |
| — at 230 V   | 5.6 A                               |
| — at 400 V   | 3.6 A                               |
| • at AC-15 at 690 V rated value  | 2.3 A                               |
| <b>operational current</b>   |                                     |
| • of auxiliary contacts at DC-12                                       |                                     |
| — at 24 V  | 10 A                                |
| — at 110 V   | 3.2 A                               |
| — at 220 V   | 0.9 A                               |
| <b>operational current</b>   |                                     |
| • of auxiliary contacts at DC-13                                       |                                     |
| — at 24 V  | 10 A                                |
| — at 60 V  | 5 A                                 |
| — at 110 V   | 1.14 A                              |

— at 220 V

0.48 A

### Installation/ mounting/ dimensions

|                  |                  |
|------------------|------------------|
| fastening method | snap-on mounting |
| width            | 12 mm            |
| height           | 70 mm            |
| depth            | 51.5 mm          |

### Connections/ Terminals

|  |   |
|--|---|
| type of electrical connection for auxiliary and control circuit  | screw-type terminals  |
| type of connectable conductor cross-sections <ul style="list-style-type: none"><li>• for auxiliary contacts<ul style="list-style-type: none"><li>— finely stranded</li><li>— with core end processing</li></ul></li><li>• at AWG cables for auxiliary contacts</li></ul> | 2x (0.5 ... 1.0 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br>2x (18 ... 12) |

### Safety related data

|   |     |
|---|-----|
| product function positively driven operation according to IEC 60947-5-1 | Yes |
|---|-----|

### Certificates/ approvals

|                          |                           |
|--------------------------|---------------------------|
| General Product Approval | Declaration of Conformity |
|--------------------------|---------------------------|



[Confirmation](#)



|                           |       |
|---------------------------|-------|
| Declaration of Conformity | other |
|---------------------------|-------|



[Confirmation](#)

### Further information

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=3TY7681-1G>

Cax online generator

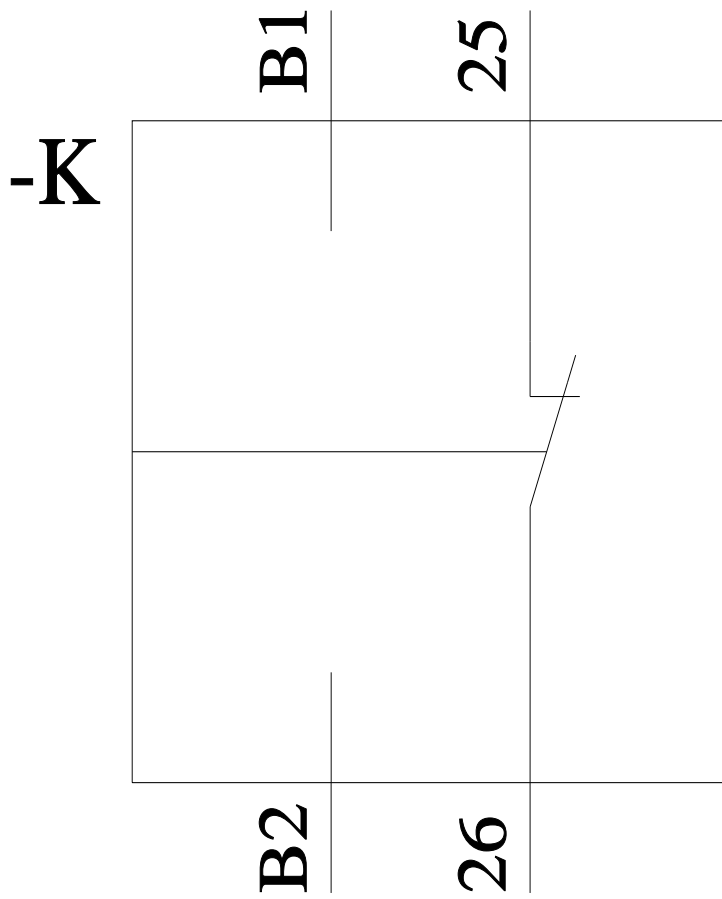
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TY7681-1G>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TY7681-1G>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TY7681-1G&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TY7681-1G&lang=en)



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