



2nd auxiliary switch block Left, for 3TB46...3TB50

<b>product category</b>	Auxiliary switch
<b>product designation</b>	auxiliary switch
<b>product type designation</b>	3TY6
<b>suitability for use</b>	Contactor relay and power contactor
<b>General technical data</b>	
<b>size of contactor</b>	2 ... 6
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 Prohibittance (Date)</b>	07/01/2006
<b>Net Weight</b>	0.055 kg
<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
<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

#### Ambient conditions

<b>ambient temperature</b>	
• during operation	-25 ... +55 °C
• during storage	-55 ... +80 °C

#### Safety related data

<b>product function</b>	
• positively driven operation according to IEC 60947-5-1	Yes

#### Installation/ mounting/ dimensions

<b>fastening method</b>	snap-on mounting
<b>height</b>	70 mm
<b>width</b>	12 mm
<b>depth</b>	51.5 mm

#### Connections/ Terminals

type of electrical connection for auxiliary and control circuit	screw-type terminals
<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	other
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[Environmental Conformations](#)



other

[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=3TY6501-1K>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TY6501-1K>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TY6501-1K>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TY6501-1K&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TY6501-1K&lang=en)



