



2nd auxiliary switch block on the right, for 3TB46...3TB50

product category	Auxiliary switch
product designation	auxiliary switch
product type designation	3TY6
suitability for use	Contactor relay and power contactor
General technical data	
size of contactor	2 ... 6
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
Substance Prohibitance (day/month/year)	07/01/2006
Net Weight	0.055 g
number of NC contacts for auxiliary contacts	
• instantaneous contact	1
• lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	1
• leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	10 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	10 A
• at 230 V	5.6 A
• at 400 V	3.6 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3.2 A
• at 220 V	0.9 A
operational current of auxiliary contacts at DC-13	
• at 24 V	10 A
• at 48 V	5 A
• at 60 V	5 A
• at 110 V	1.14 A

• at 125 V • at 220 V	0.98 A 0.48 A
Ambient conditions	
ambient temperature	
• during operation • during storage	-25 ... +55 °C -55 ... +80 °C
Safety related data	
product function	
• 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	screw-type terminals
connectable conductor cross-section for auxiliary contacts	
• solid or stranded • finely stranded with core end processing	0.5 ... 2.5 mm ² 0.5 ... 2.5 mm ²
type of connectable conductor cross-sections	
• for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts	2x (0.5 ... 1.0 mm ²), 2x (1.0 ... 2.5 mm ²) 2x (0.5 ... 1.0 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (18 ... 12)
AWG number as coded connectable conductor cross section for auxiliary contacts	18 ... 12
Approvals Certificates	
Environment	General Product Approval
Environmental Confirmations     	
other	
Confirmation 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=3TY6501-1L Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TY6501-1L Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3TY6501-1L Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TY6501-1L&lang=en	



