SIEMENS

Data sheet 3TY6501-1AA00



Auxiliary switch block, for contactors 3TB44-50, 3TC4 for mounting left or right (replacement for 3TY6501-1A/- 1B)

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	0.041 kg
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

Subject to change without notice
© Copyright Siemens

● at 125 V	0.98 A
● at 220 V	0.48 A
Ambient conditions	
ambient temperature	
● during operation	-25 ... +55 °C
● during storage	-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	0.5 ... 2.5 mm²
● finely stranded with core end processing	0.5 ... 2.5 mm²
type of connectable conductor cross-sections	
● for auxiliary contacts	
— solid or stranded	2x (0,5 ... 1,0 mm²), 2x (1,0 ... 2,5 mm²)
— finely stranded with core end processing	2x (0.5 ... 1.0 mm²), 2x (0.75 ... 2.5 mm²)
● for AWG cables for auxiliary contacts	2x (18 ... 12)
AWG number as coded connectable conductor cross section for auxiliary contacts	18 ... 12

Approvals Certificates

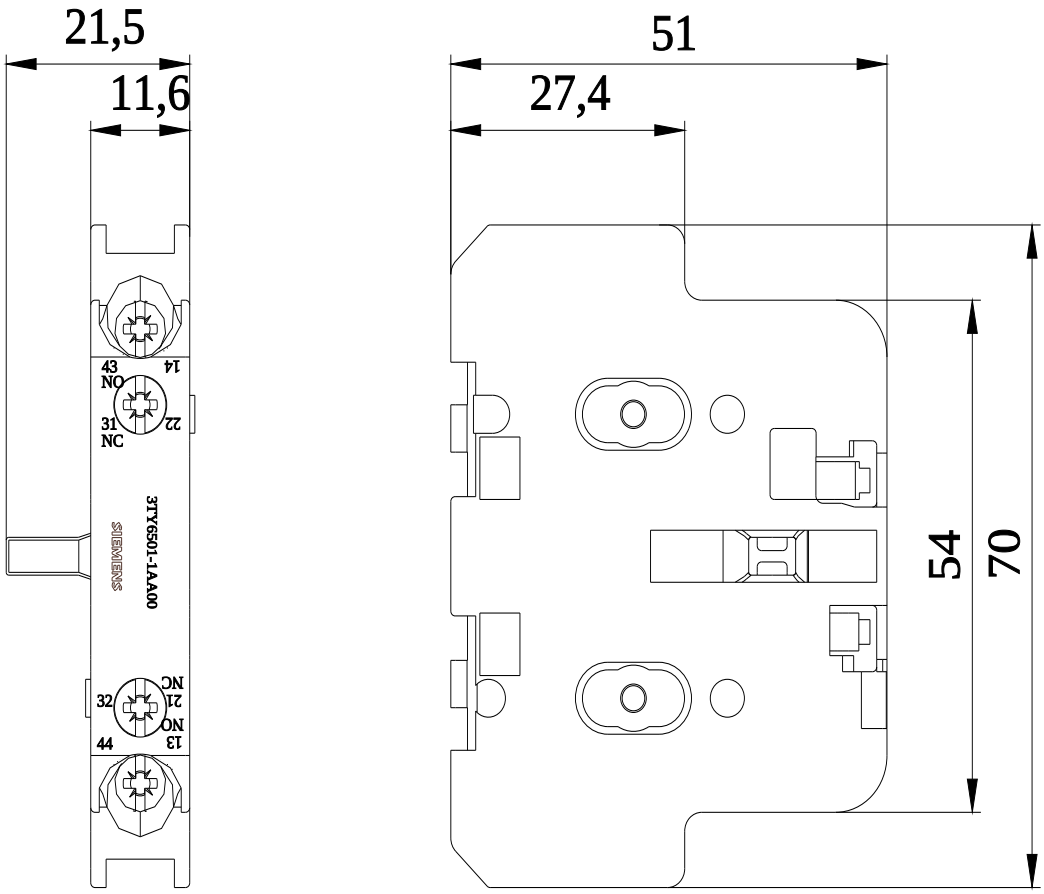
Environment	General Product Approval
Environmental Confirmations	CCC, UL, EAC, CE EG-Konf., UKCA

Test Certificates	other	
Type Test Certificates/Test Report	Confirmation	产品合格 QC PASS

Further information

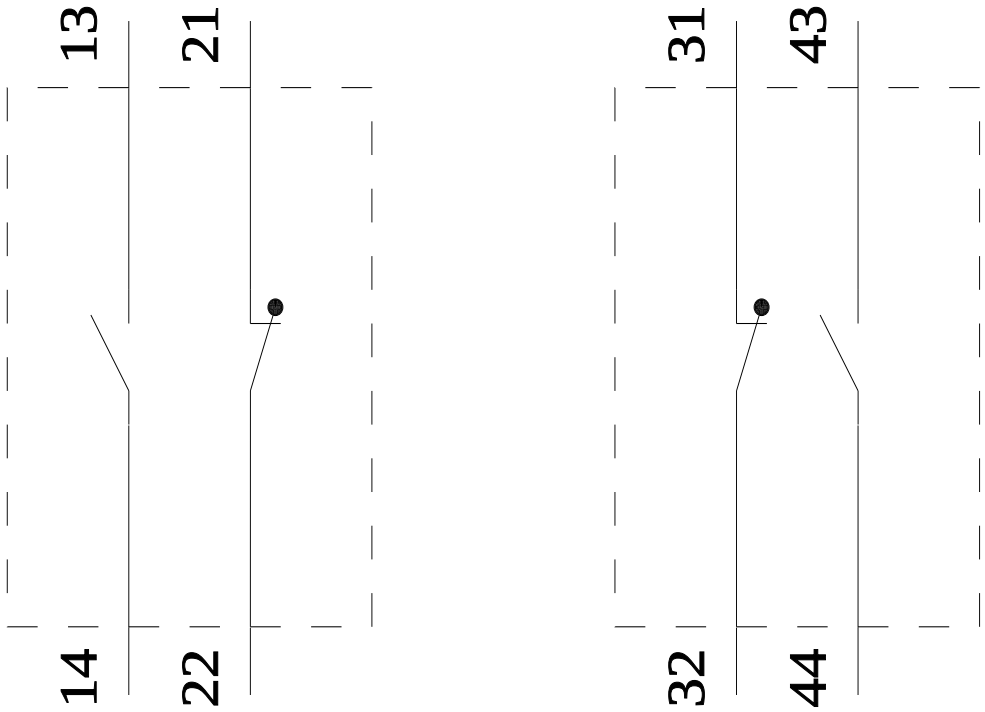
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TY6501-1AA00
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TY6501-1AA00
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3TY6501-1AA00
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TY6501-1AA00&lang=en

© Copyright Siemens



Links / left

Rechts / right



last modified: 4/1/2025

Subject to change without notice
© Copyright Siemens

Subject to change without notice
© Copyright Siemens