



Auxiliary switch block, 2 NO+2 NC, left

product category	Auxiliary switch
product designation	auxiliary switch
product type designation	3TY2
suitability for use	Contactor relay and power contactor
General technical data	
size of contactor	12
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	30 000 000
Substance Prohibittance (Date)	07/01/2006
Net Weight	0.191 kg
number of NC contacts for auxiliary contacts	
• instantaneous contact	2
• lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	2
• 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

<ul style="list-style-type: none"> • at 125 V • at 220 V 	<p>0.98 A</p> <p>0.48 A</p>	
Ambient conditions		
ambient temperature		
<ul style="list-style-type: none"> • during operation • during storage 	<p>-25 ... +55 °C</p> <p>-55 ... +80 °C</p>	
Safety related data		
product function		
<ul style="list-style-type: none"> • positively driven operation according to IEC 60947-5-1 	No	
Installation/ mounting/ dimensions		
fastening method	snap-on mounting	
height	70 mm	
width	52 mm	
depth	54 mm	
Connections/ Terminals		
type of electrical connection for auxiliary and control circuit	screw-type terminals	
connectable conductor cross-section for auxiliary contacts		
<ul style="list-style-type: none"> • solid or stranded • finely stranded with core end processing 	<p>0.5 ... 2.5 mm²</p> <p>0.5 ... 2.5 mm²</p>	
type of connectable conductor cross-sections		
<ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts 	<p>2x (0,5 ... 1,0 mm²), 2x (1,0 ... 2,5 mm²)</p> <p>2x (0.5 ... 1.0 mm²), 2x (0.75 ... 2.5 mm²)</p> <p>2x (18 ... 12)</p>	
AWG number as coded connectable conductor cross section for auxiliary contacts	18 ... 12	
Approvals Certificates		
Environment	General Product Approval	other

[Environmental Conformations](#)



[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=3TY2781-2C>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TY2781-2C>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TY2781-2C>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TY2781-2C&lang=en



