



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

General technical data	
suitability for use	Contactor relay and power contactor
protection class IP on the front	IP20
ambient temperature	
• during storage	-55 ... +80 °C
• during operation	-25 ... +55 °C
mechanical service life (switching cycles) typical	10 000 000
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
Auxiliary circuit	
number of NC contacts for auxiliary contacts	
• instantaneous contact	0
• lagging switching	1
number of NO contacts for auxiliary contacts	
• instantaneous contact	1
• leading contact	0
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
• maximum	10 A
operational current	
• 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
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 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">• for auxiliary contacts<ul style="list-style-type: none">— finely stranded— with core end processing• at AWG cables for auxiliary contacts	2x (0.5 ... 1.0 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (18 ... 12)

Safety related data

product function positively driven operation according to IEC 60947-5-1	Yes
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Certificates/ approvals

General Product Approval	Declaration of Conformity
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[Confirmation](#)



Declaration of Conformity	other
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[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

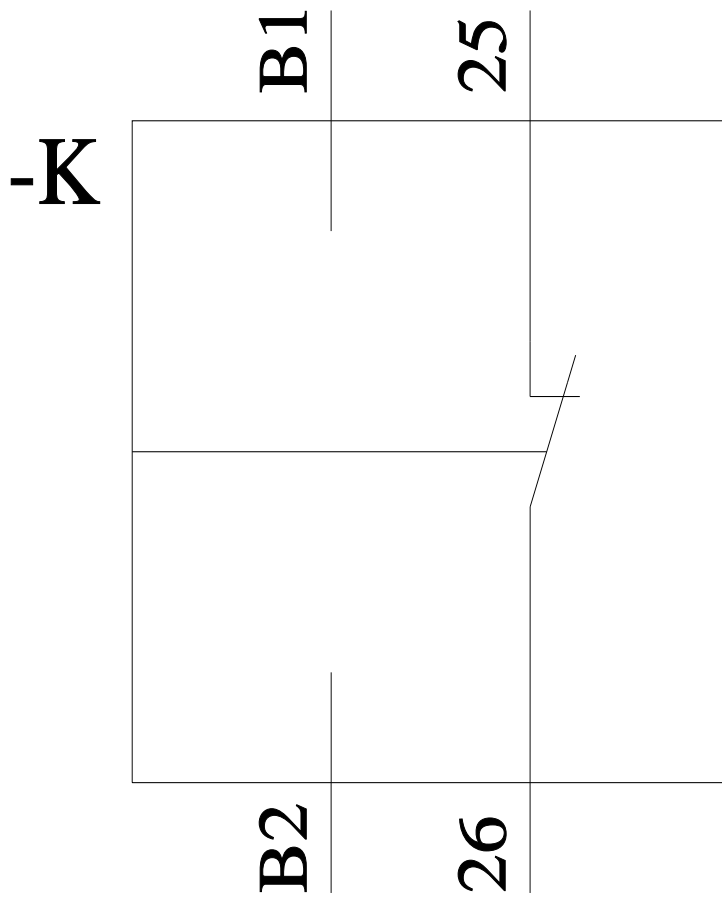
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TY7681-1G>

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



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