



leading changeover switch changeover contacts type HQ (7mm) accessory for: 3VA4/5/6

Model	
product brand name	SETRON
product designation	Leading auxiliary switch
Product version	Accessories for 3VA circuit breakers
Accessories	Leading auxiliary switch
General technical data	
Degree of pollution	3
Overvoltage category	III
lead time / relating to main contacts	20 ms
Voltage	
rated insulation voltage U_i	690 V
Tension assignée de tenue aux chocs	4 kV
operating voltage / at AC / acc. to CSA and UL	300 V
operating voltage / at DC / acc. to CSA and UL	250 V
Rated operational voltage U_e at AC 50 Hz	240 V
Rated operational voltage U_e with DC	250 V
Current	
Thermal current limit I_{th}	6 A
operational current	
• at AC-12 / at 12 V	6 A
• at AC-12 / at 24 V	6 A
• at AC-12 / at 48 V	6 A
• at AC-12 / at 125 V	6 A
• at AC-12 / at 220/240 V	6 A
• at DC-12 / at 12 V	6 A
• at DC-12 / at 24 V	4 A
• at DC-12 / at 48 V	2 A
• at DC-12 / at 110 V	0.5 A
• at DC-12 / at 250 V	0.25 A
• at DC-13 / at 12 V	1 A
• at DC-13 / at 24 V	0.8 A
• at DC-13 / at 48 V	0.4 A
• at DC-13 / at 110 V	0.2 A
• at DC-13 / at 250 V	0.1 A
• at AC-15 / at 12 V	3 A
• at AC-15 / at 24 V	3 A
• at AC-15 / at 48 V	3 A

- at AC-15 / at 125 V
- at AC-15 / at 220/240 V

3 A

3 A

Mechanical Design

width / note	1 slot (7 mm)
tightening torque / with screw-type terminals / minimum	0.4 N·m
tightening torque / with screw-type terminals / maximum	0.5 N·m

Connections according IEC

stripped length	15 mm
AWG number / as coded connectable conductor cross section / for auxiliary contacts	
• minimum	20
• maximum	16

Connections according UL

stripped length [in]	0.6 in
tightening torque [lbf·in] / with screw-type terminals / minimum	3.5 lbf·in
tightening torque [lbf·in] / with screw-type terminals / maximum	4.4 lbf·in

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA9978-0AA22>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA9978-0AA22>

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

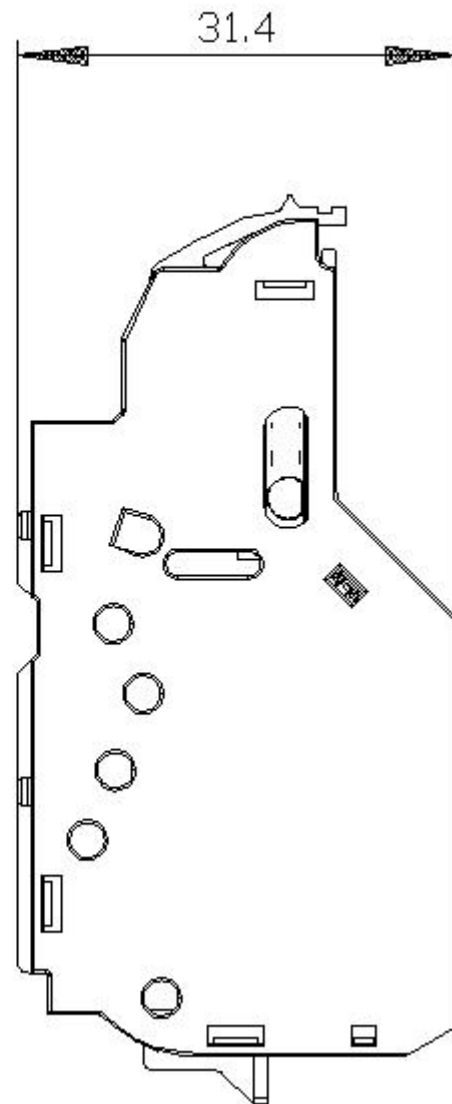
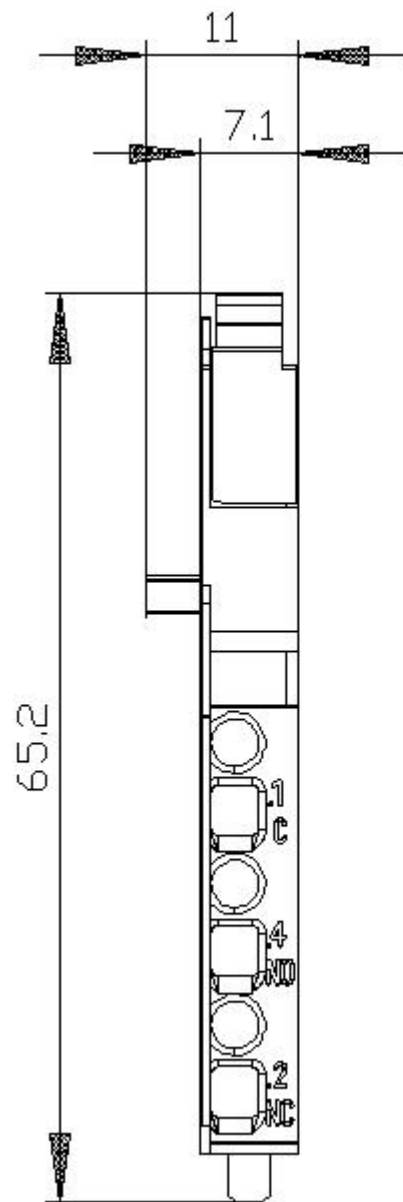
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9978-0AA22

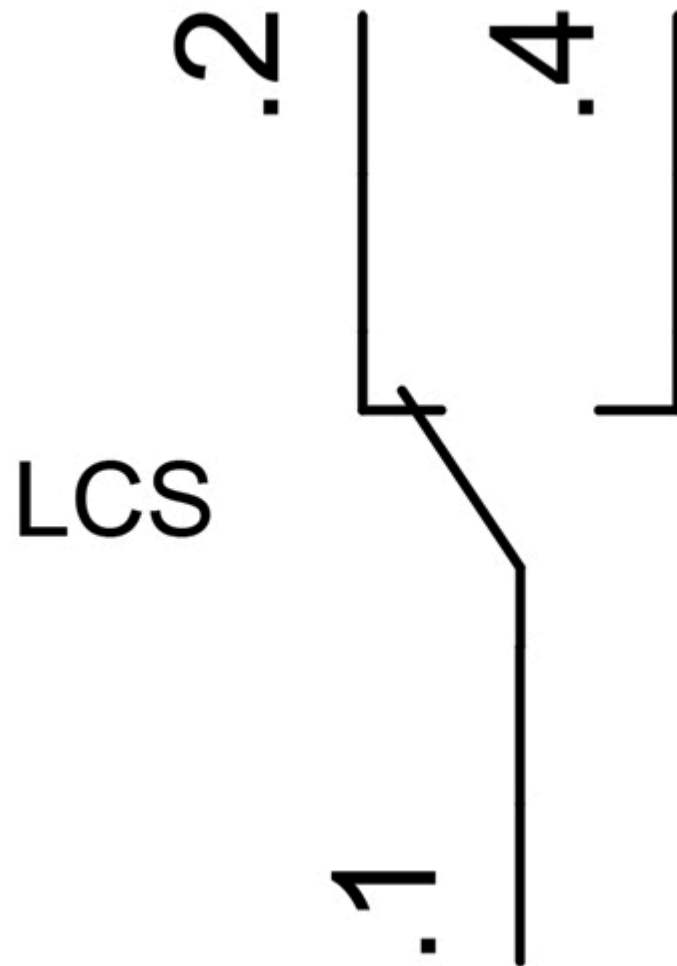
CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>





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