

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



Model

Product brand name	SENTRON
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
Rated impulse withstand voltage	4 kV
Operating voltage / at AC / acc. to CSA and UL	24 V
Operating voltage / at DC / acc. to CSA and UL	24 V
Rated operational voltage U_e at AC 50 Hz	24 V
Rated operational voltage U_e with DC	24 V

Current

Thermal current limit I_{th}	0.3 A
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Operating current	
• at AC-12 / at 12 V	0.3 A
• at AC-12 / at 24 V	0.3 A
• at DC-12 / at 12 V	0.1 A
• at DC-12 / at 24 V	0.1 A
• at DC-13 / at 12 V	0.07 A
• at DC-13 / at 24 V	0.07 A
• at AC-15 / at 12 V	0.3 A
• at AC-15 / at 24 V	0.3 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

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

Connections according UL

Wire stripping 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

Certificates

General Product Approval				EMC	
 CCC	 UL	 VDE	Miscellaneous	 EAC	 RCM

Declaration of Conformity	Shipping Approval	other			
 EG-Konf.	 LRS	Manufacturer Declaration	Miscellaneous		

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=3VA9978-0AA23>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA9978-0AA23>

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

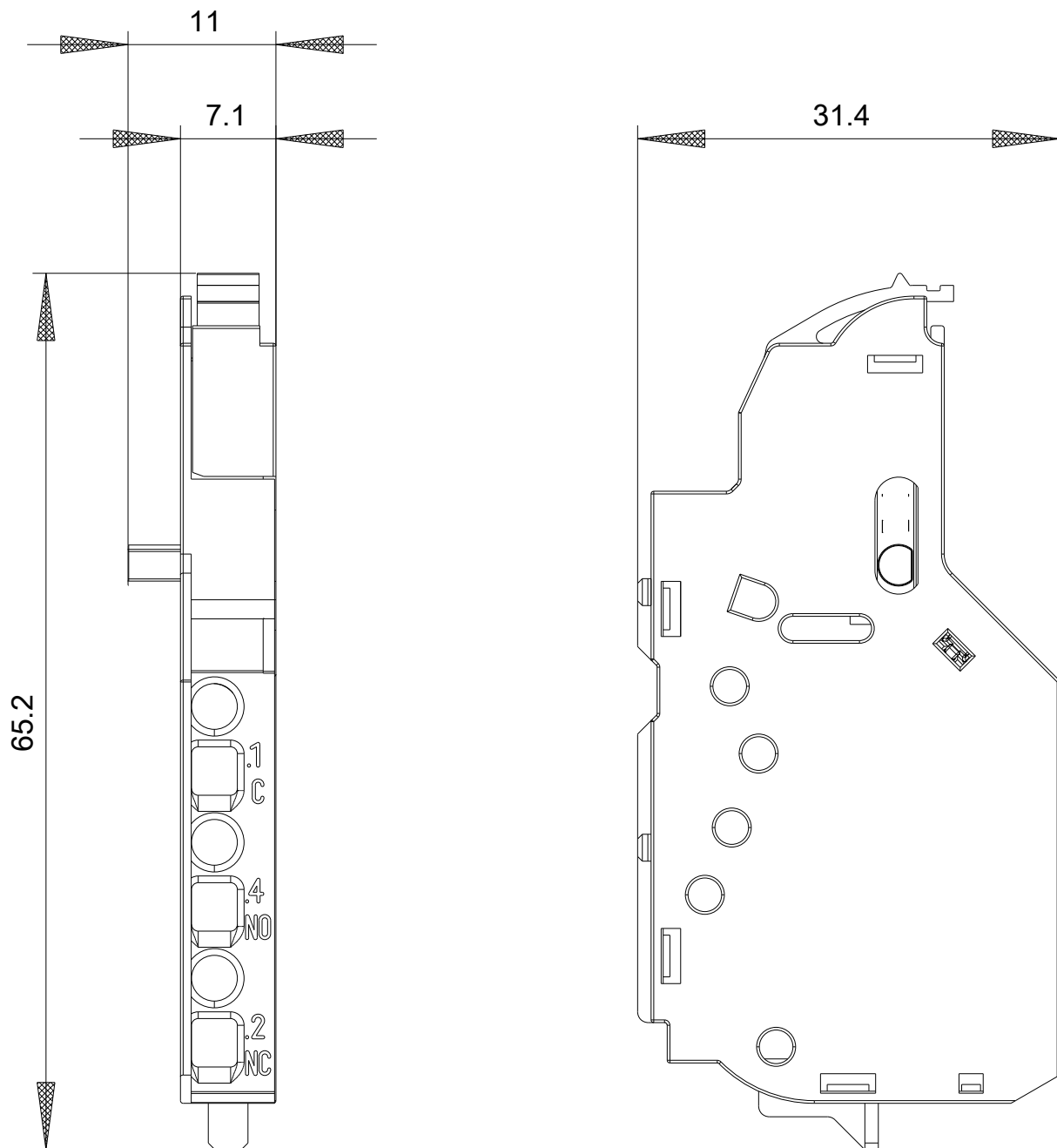
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9978-0AA23

CAX-Online-Generator

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

Tender specifications

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



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