

LEADING CHANGEOVER SWITCH CHANGEOVER CONTACTS
TYPE HP (14MM) ACCESSORY FOR 3VA1 and 3VA20 up to 3VA25

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	6 kV
Rated operational voltage U_e at AC 50 Hz	600 V
Rated operational voltage U_e with DC	250 V

Current	
Thermal current limit I_{th}	10 A
Operating current	
• at AC-12 / at 12 V	10 A
• at AC-12 / at 24 V	10 A
• at AC-12 / at 48 V	10 A
• at AC-12 / at 110 V	10 A
• at AC-12 / at 230 V	10 A
• at AC-12 / at 400 V	6 A
• at AC-12 / at 600 V	2 A
• at DC-12 / at 12 V	6 A
• at DC-12 / at 24 V	6 A
• at DC-12 / at 48 V	2 A
• at DC-12 / at 110 V	0.6 A
• at DC-12 / at 230 V	0.3 A
• at DC-13 / at 12 V	3 A
• at DC-13 / at 24 V	3 A
• at DC-13 / at 48 V	0.8 A
• at DC-13 / at 110 V	0.2 A
• at DC-13 / at 220 V	0.1 A

• at AC-15 / at 12 V	6 A
• at AC-15 / at 24 V	6 A
• at AC-15 / at 48 V	6 A
• at AC-15 / at 110 V	6 A
• at AC-15 / at 230 V	6 A
• at AC-15 / at 400 V	2 A
• at AC-15 / at 600 V	0.6 A

Mechanical Design

Height	56 mm
Width	14 mm
Width / Note	2 slots (14 mm)
Depth	30 mm
Net weight	40 g
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	19
• maximum	14

Connections according UL

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	 VDE	KC	Miscellaneous	  RCM

Declaration of Conformity	Test Certificates	Shipping Approval	other	
 EG-Konf.	Type Test Certificates/Test Report	 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=3VA9988-0AA21>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA9988-0AA21>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9988-0AA21

CAX-Online-Generator

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

Tender specifications

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

last modified:

11/19/2019