SIEMENS

Data sheet 3VA9978-0AB13



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

product brand name product designation Tripped signaling switch Accessories Accessories Tripped signaling switch Accessories Accessories Tripped signaling switch Accessories Access		
product designation Tripped signaling switch Accessories for 3VA circuit breakers accessories Tripped signaling switch Tripped signaling switch Accessories Tripped signaling switch Tripped signaling switch Accessories Tripped signaling switch Accessories Tripped signaling switch Accessories Accessories IIII Accessories Accessories IIII Accessories III Accessories III Accessories III IIII Accessories III Accessories	Model	
design of the product accessories for 3VA circuit breakers accessories for 5VA circuit breakers accessories for 5VA circuit breakers accessories for 6VA circui	product brand name	SENTRON
Accessories	product designation	Tripped signaling switch
General technical data degree of pollution 3 3 3 3 3 3 3 3 3	design of the product	Accessories for 3VA circuit breakers
degree of pollution 3 111	accessories	Tripped signaling switch
Overvoltage III Voltage 4 kV surge voltage resistance 4 kV operating voltage / at AC / according to CSA and UL 24 V operating voltage / at AC / at 50 Hz / rated value / minimum 24 V Current 24 V Current 0.3 A operational current 0.3 A operational current 0.3 A • at AC-12 / at 12 V 0.3 A • at DC-12 / at 12 V 0.1 A • at DC-12 / at 12 V 0.1 A • at DC-13 / at 12 V 0.07 A • at DC-13 / at 12 V 0.07 A • at AC-15 / at 24 V 0.3 A • at AC-15 / at 24 V 0.3 A • at AC-15 / at 24 V 0.3 A • at AC-15 / at 24 V 0.3 A • at AC-16 / at 24 V 0.3 A • at AC-16 / at 24 V 0.3 A • at AC-16 / at 24 V 0.5 N·m Connections according IEC stripped length 15 mm AVIG number / as coded connectable conductor cross section / for auxiliary contacts 20 • maximum 16 <	General technical data	
Voltage 4 kV surge voltage resistance 4 kV operating voltage / at DC / according to CSA and UL 24 V operating voltage / at DC / according to CSA and UL 24 V operating voltage / at DC / rated value / minimum 24 V operating voltage / at DC / rated value / minimum 24 V Current	degree of pollution	3
surge voltage resistance	overvoltage category	III
operating voltage / at AC / according to CSA and UL operating voltage / at DC / according to CSA and UL operating voltage / at DC / according to CSA and UL operating voltage / at DC / rated value / minimum 24 V Current thermal current operational current • at AC-12 / at 12 V • at AC-12 / at 12 V • at DC-12 / at 12 V • at DC-12 / at 12 V • at DC-12 / at 12 V • at DC-13 / at 12 V • at DC-15 / at 12 V • at DC-16 / at 12 V • at DC-17 / at 12 V • at DC-18 / at 12 V • at DC-18 / at 12 V • at DC-19 / at 12 V • a	Voltage	
operating voltage / at DC / according to CSA and UL 24 V operating voltage / at AC / at 50 Hz / rated value / minimum 24 V operating voltage / at DC / rated value / minimum 24 V operating voltage / at DC / rated value / minimum 24 V operating voltage / at DC / rated value / minimum 24 V operating voltage / at DC / rated value / minimum 24 V operating voltage / at DC / rated value / minimum 24 V operating voltage / at DC / rated value / minimum 25 V operating voltage / at DC / rated value / minimum 24 V operating voltage / at DC / rated value / operating voltage / at AC / rated value / operating voltage / operating volt	surge voltage resistance	4 kV
operating voltage / at AC / at 50 Hz / rated value / minimum 24 V operating voltage / at DC / rated value / minimum 24 V Current thermal current 0.3 A operational current • at AC-12 / at 12 V 0.3 A • at AC-12 / at 12 V 0.1 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 0.1 A • at DC-13 / at 12 V 0.0 A • at DC-13 / at 12 V 0.0 A • at DC-13 / at 12 V 0.0 A • at DC-13 / at 12 V 0.0 A • at DC-13 / at 12 V 0.0 A • at DC-13 / at 12 V 0.0 A • at AC-15 / at 12 V 0.3 A • at AC-15 / at 12 V 0.3 A • at AC-15 / at 24 V 0.3 A Machanical Design 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 AWC 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 / maximum 3.5 lbf·in tightening torque [lbf·in] / with screw-type terminals / maximum 4.4 lbf·in	operating voltage / at AC / according to CSA and UL	24 V
Departing voltage / at DC / rated value / minimum	operating voltage / at DC / according to CSA and UL	24 V
thermal current operational current otal AC-12/at 12 V otal AC-12/at 24 V otal DC-12/at 24 V otal DC-12/at 24 V otal DC-13/at 12 V otal DC-13/at 12 V otal DC-13/at 24 V otal DC-15/at 12 V otal DC-15/at 12 V otal Design tightening torque / with screw-type terminals / minimum tightening torque / with screw-type terminals / maximum Connections according IEC stripped length AWG number / as coded connectable conductor cross section / for auxiliary contacts ominimum omi	operating voltage / at AC / at 50 Hz / rated value / minimum	24 V
thermal current operational current at AC-12 / at 12 V ost AC-12 / at 24 V ost AC-12 / at 12 V ost DC-12 / at 12 V ost DC-13 / at 24 V ost DC-15 / at 24 V ost DC-16 /	operating voltage / at DC / rated value / minimum	24 V
operational current at AC-12 / at 12 V at AC-12 / at 24 V at DC-12 / at 24 V ot DC-12 / at 24 V ot DC-12 / at 24 V ot DC-13 / at 12 V ot DC-13 / at 12 V ot DC-13 / at 12 V ot DC-13 / at 24 V ot DC-15 / at 24 V ot DC-16 / at 12 V ot DC-16 / at 24 V ot DC-16 / at 24 V ot DC-16 / at 24 V ot DC-17 / at 24 V ot DC-18 / at 24 V ot DC-18 / at 24 V ot DC-18 / at 24 V ot DC-19 / at 24 V ot DC	Current	
at AC-12 / at 12 V at AC-12 / at 24 V at AC-12 / at 12 V at DC-12 / at 12 V at DC-12 / at 24 V at DC-12 / at 24 V at DC-12 / at 24 V at DC-13 / at 12 V at DC-13 / at 12 V at AC-15 / at 24 V bechanical Design tightening torque / with screw-type terminals / minimum tightening torque / with screw-type terminals / maximum Connections according IEC stripped length AWG number / as coded connectable conductor cross section / for auxiliary contacts aminimum aminimum aminimum aminimum aminimum at BC connections according UL stripped length [in] user according UL	thermal current	0.3 A
 at AC-12 / at 24 V at DC-12 / at 12 V at DC-12 / at 24 V at DC-13 / at 12 V at DC-13 / at 12 V at DC-13 / at 24 V at AC-15 / at 24 V at AC-16 / at 24 V ARC-16 / at 24 V ARC-16 / at 24 V ARC-17 / at 24 V ARC-18 / at 24 V ARC-19 / at 24 V ARC-10 / at 24 V <li< td=""><td>operational current</td><td></td></li<>	operational current	
at DC-12 / at 12 V at DC-12 / at 24 V 0.1 A at DC-13 / at 12 V 0.07 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 tightening torque / with screw-type terminals / minimum 0.4 N·m tightening torque / with screw-type terminals / maximum Connections according IEC stripped length 15 mm AWG number / as coded connectable conductor cross section / for auxiliary contacts a minimum a minimum b minimum connections according UL stripped length [in] 0.6 in tightening torque [lbf·in] / with screw-type terminals / minimum tightening torque [lbf·in] / with screw-type terminals / minimum tightening torque [lbf·in] / with screw-type terminals / minimum tightening torque [lbf·in] / with screw-type terminals / minimum tightening torque [lbf·in] / with screw-type terminals / maximum Further information	• at AC-12 / at 12 V	0.3 A
at DC-12 / at 24 V at DC-13 / at 12 V at DC-13 / at 12 V at DC-13 / at 24 V at DC-13 / at 24 V at AC-15 / at 12 V at AC-15 / at 24 V at AC-15 / at AC-15 / at 24 V at AC-15 /	• at AC-12 / at 24 V	0.3 A
at DC-13 / at 12 V at DC-13 / at 24 V at AC-15 / at 12 V at AC-15 / at 12 V at AC-15 / at 24 V at AC-15 / a	• at DC-12 / at 12 V	0.1 A
at AC-15 / at 12 V at AC-15 / at 12 V at AC-15 / at 24 V 0.3 A Mechanical Design tightening torque / with screw-type terminals / minimum tightening torque / with screw-type terminals / maximum Connections according IEC stripped length AWG number / as coded connectable conductor cross section / for auxiliary contacts minimum maximum 20 maximum 16 Connectcions according UL stripped length [in] tightening torque [lbf-in] / with screw-type terminals / minimum tightening torque [lbf-in] / with screw-type terminals / minimum tightening torque [lbf-in] / with screw-type terminals / maximum 4.4 lbf-in Further information	• at DC-12 / at 24 V	0.1 A
at AC-15 / at 12 V at AC-15 / at 24 V 0.3 A Mechanical Design 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 aminimum aminimum bmaximum 16 Connections according UL stripped length [in] 0.6 in tightening torque [lbf-in] / with screw-type terminals / minimum tightening torque [lbf-in] / with screw-type terminals / maximum Further information 0.3 A 0.3 A 0.3 A 0.4 N·m 0.4 N·m 0.5 N·m 0.5 N·m 0.5 Ibf-in 0.5 Ibf-in 0.6 in 0.6 in 0.7 Ibf-in 0.8 Ibf-in 0.9 Ibf-in	• at DC-13 / at 12 V	0.07 A
at AC-15 / at 24 V 0.3 A Mechanical Design tightening torque / with screw-type terminals / minimum 0.4 N·m tightening torque / with screw-type terminals / maximum 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 Further information	• at DC-13 / at 24 V	0.07 A
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	• at AC-15 / at 12 V	0.3 A
tightening torque / with screw-type terminals / minimum tightening torque / with screw-type terminals / maximum 0.5 N·m Connections according IEC stripped length AWG number / as coded connectable conductor cross section / for auxiliary contacts imminimum maximum 20 maximum 16 Connections according UL stripped length [in] tightening torque [lbf-in] / with screw-type terminals / minimum tightening torque [lbf-in] / with screw-type terminals / maximum 4.4 lbf-in Further information	• at AC-15 / at 24 V	0.3 A
tightening torque / with screw-type terminals / maximum Connections according IEC stripped length AWG number / as coded connectable conductor cross section / for auxiliary contacts minimum maximum connections according UL stripped length [in] tightening torque [lbf-in] / with screw-type terminals / minimum tightening torque [lbf-in] / with screw-type terminals / maximum functions 15 mm 20 20 6 in 15 mm 20 6 in 16 in 16 in 17 injeting torque [lbf-in] / with screw-type terminals / minimum 3.5 lbf-in 18 tightening torque [lbf-in] / with screw-type terminals / maximum 4.4 lbf-in Further information	Mechanical Design	
stripped length 15 mm AWG number / as coded connectable conductor cross section / for auxiliary contacts • minimum • maximum 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	tightening torque / with screw-type terminals / minimum	0.4 N·m
stripped length AWG number / as coded connectable conductor cross section / for auxiliary contacts In minimum maximum Connectations according UL stripped length [in] stripped length [in] tightening torque [lbf-in] / with screw-type terminals / minimum tightening torque [lbf-in] / with screw-type terminals / maximum Further information 15 mm 20 20 30 41 41 41 41 42 43 44 44 45 45 45 45 44 44 45 45 45 45 45 45 45 46 46	tightening torque / with screw-type terminals / maximum	0.5 N·m
AWG number / as coded connectable conductor cross section / for auxiliary contacts • minimum • maximum 16 Connectations according UL stripped length [in] tightening torque [lbf-in] / with screw-type terminals / minimum tightening torque [lbf-in] / with screw-type terminals / maximum tightening torque [lbf-in] / with screw-type terminals / maximum Further information	Connections according IEC	
for auxiliary contacts	stripped length	15 mm
● maximum 16 Connetctions 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		
Stripped length [in] tightening torque [lbf-in] / with screw-type terminals / minimum tightening torque [lbf-in] / with screw-type terminals / maximum 4.4 lbf-in Further information	• minimum	20
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	• maximum	16
tightening torque [lbf-in] / with screw-type terminals / minimum tightening torque [lbf-in] / with screw-type terminals / maximum 4.4 lbf-in Further information	Connetctions according UL	
tightening torque [lbf-in] / with screw-type terminals / maximum 4.4 lbf-in Further information	stripped length [in]	0.6 in
Further information	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
Siemens has decided to exit the Russian market (see here).	Further information	
	Siemens has decided to exit the Russian market (see here).	

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3VA9978-0AB13

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA9978-0AB13

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

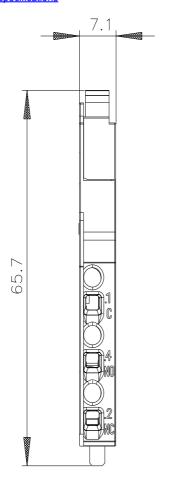
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9978-0AB13

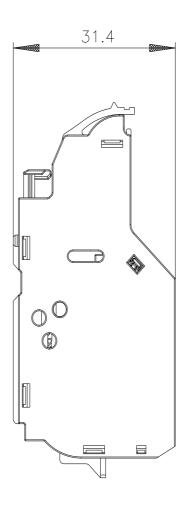
CAx-Online-Generator

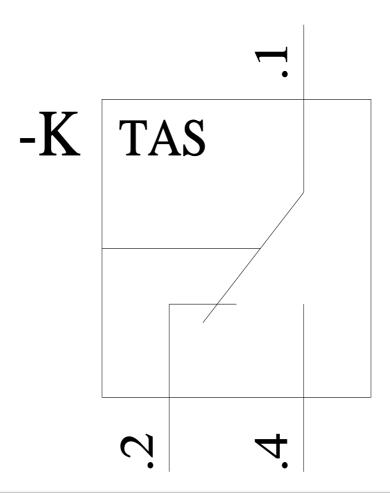
http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications







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