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Data sheet 3VA9977-0TD82



DSP820 control cabinet display for displaying status, measured values, parameters and diagnostics of 3VA6, 3VA6 plus, 3VA27 3WA, 3WL, 3WL10, PAC3200T and PAC2200, IEC/UL, communication via Ethernet, up to 8 devices, 2 Ethernet ports, power supply 24 V DC

Model	
product brand name	SENTRON
product designation	DSP820 display for up to 8 devices
General technical data	
suitability for operation	Installation in fixed switchboard inside enclosed rooms
mounting position	vertical
degree of pollution	3
overvoltage category	I
operating resource protection class	III (according to IEC 61558)
protection class IP	IP65 (front) according to IEC60532
Voltage	
Rated control supply voltage Us with DC / maximal	24 V
Current	
product function	
● data exchange with the electronic tripping unit	Yes
number of interfaces / according to Fast Ethernet	2
type of electrical connection / of the fast Ethernet interface	RJ45
design of cable / connectable / twisted pair	Yes
protocol / at the Ethernet interface / is supported	Modbus TCP
transfer rate / 2 / for Ethernet	100 Mbit/s
number of active connections / at the Ethernet interface	8
product function	
● at the Ethernet interface / auto-MDI(X)	Yes
● at the Ethernet interface / serial gateway	No
number of circuit breakers / directly connectable	8
power loss [V·A] / rated value	1.7 V·A
power loss [W] / rated value	1.7 W
control supply voltage / at DC / rated value / maximum	24 V
relative symmetrical tolerance / of the operating range of the control feed voltage	20 %
consumed current / maximum	0.125 A
Mechanical Design	
height	96.13 mm
width	96.13 mm
depth	57.9 mm
Net Weight	229.58 g
Connections	
type of electrical connection / at the inputs for supply voltage	screw-type terminals

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connectable conductor cross-section / solid	
● minimum	0.5 mm²
● maximum	1.5 mm²
connectable conductor cross-section / finely stranded / with core end processing	
● minimum	0.5 mm²
● maximum	1.5 mm²
tightening torque / with screw-type terminals / minimum	0.5 N·m
tightening torque / with screw-type terminals / maximum	0.6 N·m
Connections according IEC	
installation depth / without expansion module / maximum	51.5 mm
Environmental conditions	
ambient temperature / during operation	
● minimum	-10 °C
● maximum	55 °C
ambient temperature / during transport	
● minimum	-25 °C
● maximum	70 °C
ambient temperature / during storage	
● minimum	-25 °C
● maximum	70 °C

Certificates

General Product Approval

Miscellaneous | Confirmation

EMV	Test Certificates	Maritime application	other		Environment
	Type Test Certificates/Test Report		Miscellaneous	Confirmation	Environmental Confirmations

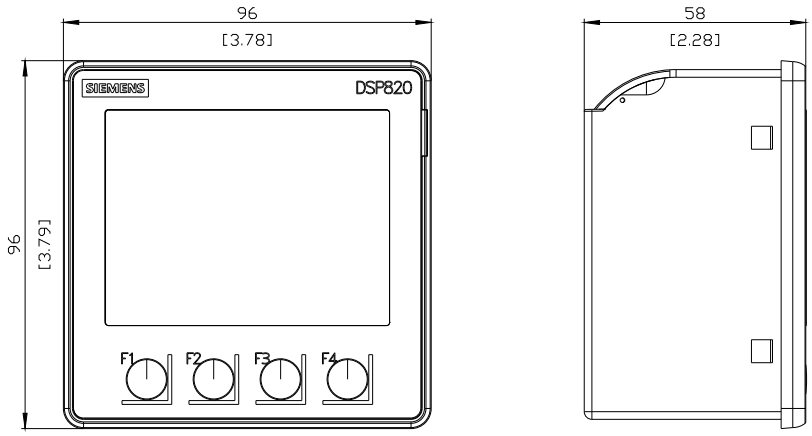
Environment

Environmental Confirmations

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA9977-0TD82
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA9977-0TD82
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9977-0TD82
CAx-Online-Generator
https://www.siemens.com/cax
Tender specifications
https://www.siemens.com/specifications

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