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Data sheet 3VA9977-0TD10



display DSP800 accessory for: 1 to 8 units 3VA6 breaker

Model	
product brand name	SENTRON
product designation	DSP800 display
accessories	Communication and measurement function
General technical data	
suitability for operation	Installation in fixed switchboard inside enclosed rooms
mounting position	any
degree of pollution	3
overvoltage category	I
operating resource protection class	III according to IEC61558
protection class IP	IP65 (front) according to IEC60529
Voltage	
Rated control supply voltage Us with DC / maximal	24 V
Mechanical Design	
number of interfaces / according to Fast Ethernet	1
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	Yes
power loss [V·A] / rated value	2.2 VA
control supply voltage / at DC / rated value / maximum	24 V
consumed current / maximum	0.09 A
height	96 mm
width	96 mm
depth	56 mm
net weight	190 g
type of electrical connection	removable/pluggable
type of electrical connection / at the inputs for supply voltage	screw-type terminals
connectable conductor cross-section / solid	
● minimum	0.5 mm²
● maximum	2.5 mm²
connectable conductor cross-section / finely stranded / with core end processing	
● minimum	0.5 mm²
● maximum	1.5 mm²
type of connectable conductor cross-sections / at the digital inputs / for AWG cables / solid	2x 20 to 14

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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
ambient temperature / during storage	
● minimum	-25 °C
● maximum	70 °C

Certificates

General Product Approval					EMV
CE EG-Konf.	UKCA	UL UL	Miscellaneous	EAC	RCM

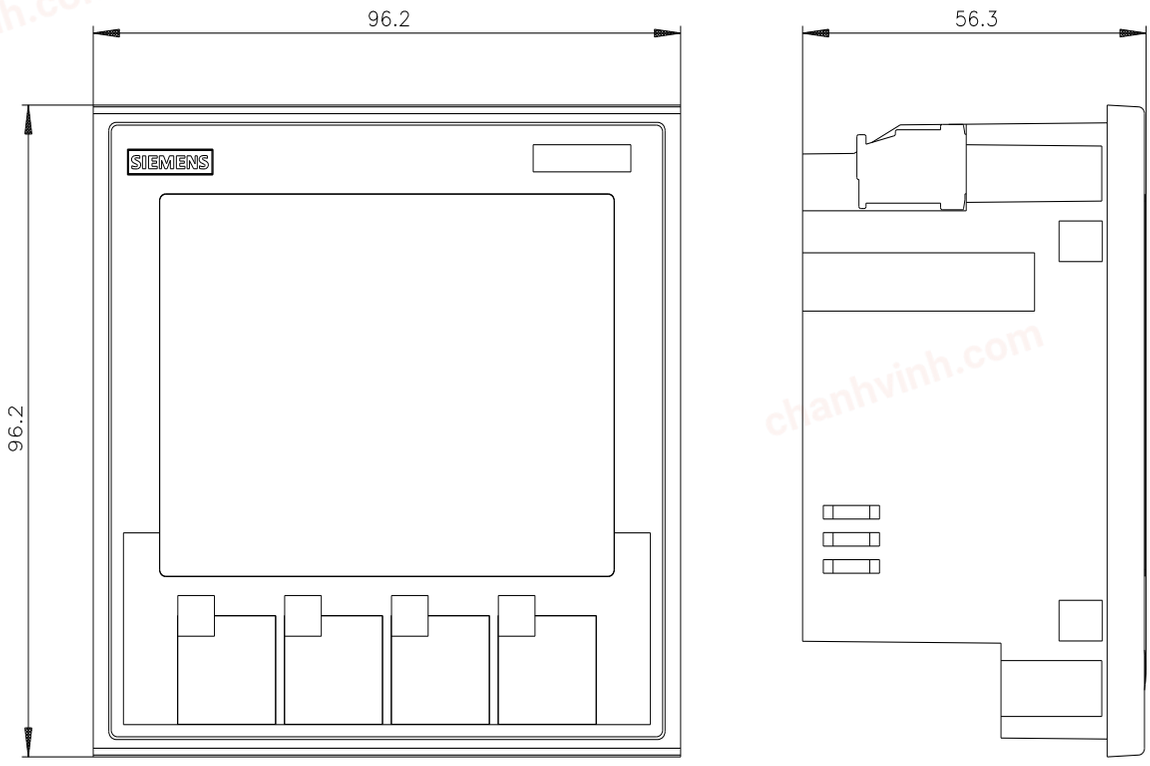
Marine / Shipping	other			Environment	
Lloyd's Register LRS	Miscellaneous	Confirmation	Miscellaneous	Environmental Confirmations	Environmental Confirmations

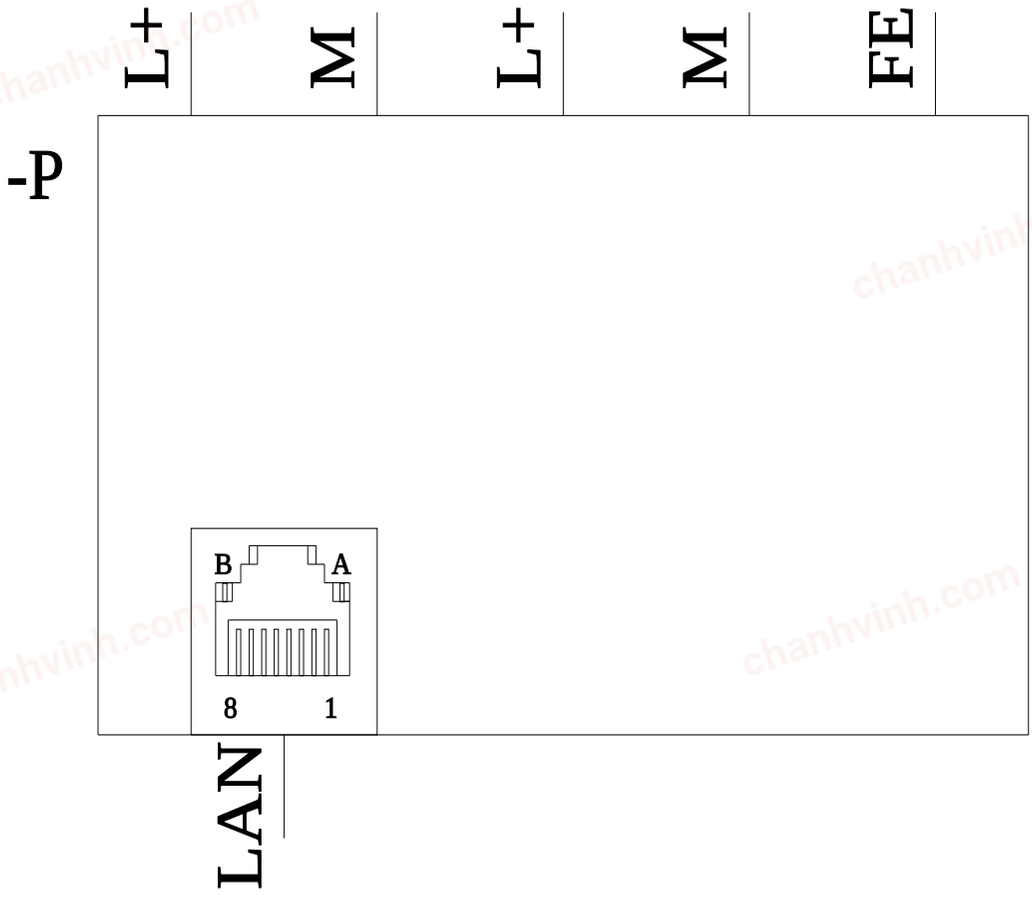
Further information

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=3VA9977-0TD10
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA9977-0TD10
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9977-0TD10
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications

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