SIEMENS

Data sheet 3VA9987-0TA20



breaker data server COM100 accessory for: 3VA

Model	
product brand name	SENTRON
product designation	COM100 breaker data server
design of the product	Accessories for 3VA
accessories	Communication and measurement function
General technical data	
suitability for operation	Installation in fixed switchboard inside enclosed rooms
mounting position	any
degree of pollution	2
overvoltage category	I
operating resource protection class	III according to IEC61558
protection class IP	IP20 according to IEC60529
Mechanical Design	
product function	
● electronic tripping unit power supply	Yes
● detection of switch position: On, Off, Tripped	Yes
● communication with function module	Yes
● data exchange with the electronic tripping unit	Yes
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	5
product function	
● at the Ethernet interface / auto-MDI(X)	Yes
● at the Ethernet interface / serial gateway	Yes
● at the communication interface / Modbus RTU protocol	Yes
number of interfaces / of the circuit breaker communication system	2
number of bus termination connectors / on circuit breaker communication system	2
number of circuit breakers / directly connectable	1
total length / of the circuit breaker communication system	20 m
number of interfaces / for expansion modules	1
protocol / is supported	
● PROFIBUS DP protocol	Yes
● PROFINET IO protocol	Yes
power loss [W] / rated value	5 W
power loss [W] / of the circuit breaker communication interface / at maximum expansion	26.9 W

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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	1.1 A
height	90 mm
width	90 mm
number of modular width units	5
depth	33.5 mm
net weight	125 g
type of electrical connection	removable/pluggable
type of electrical connection / at the inputs for supply voltage	screw-type terminals
type of connectable conductor cross-sections / at the digital inputs / for AWG cables / solid	2x 20 to 14
ambient temperature / during operation	
● minimum	-25 °C
● maximum	70 °C
ambient temperature / during transport	
● minimum	-40 °C
● maximum	80 °C
ambient temperature / during storage	
● minimum	-40 °C
● maximum	80 °C

Connections according IEC

installation depth / with expansion module / maximum	56.5 mm
installation depth / without expansion module / maximum	33.5 mm

Certificates

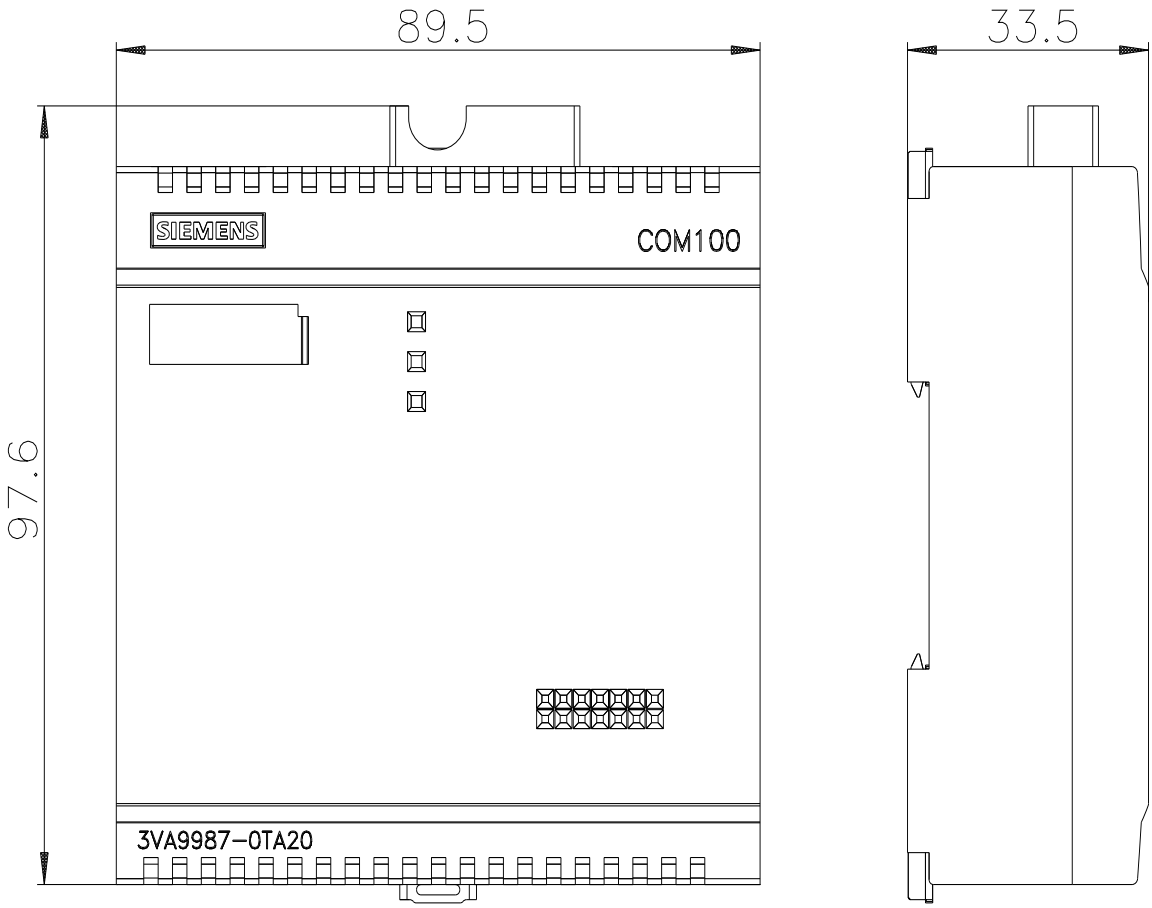
General Product Approval	EMC	Declaration of Conformity	Test Certificates
Miscellaneous			Type Test Certificates/Test Report

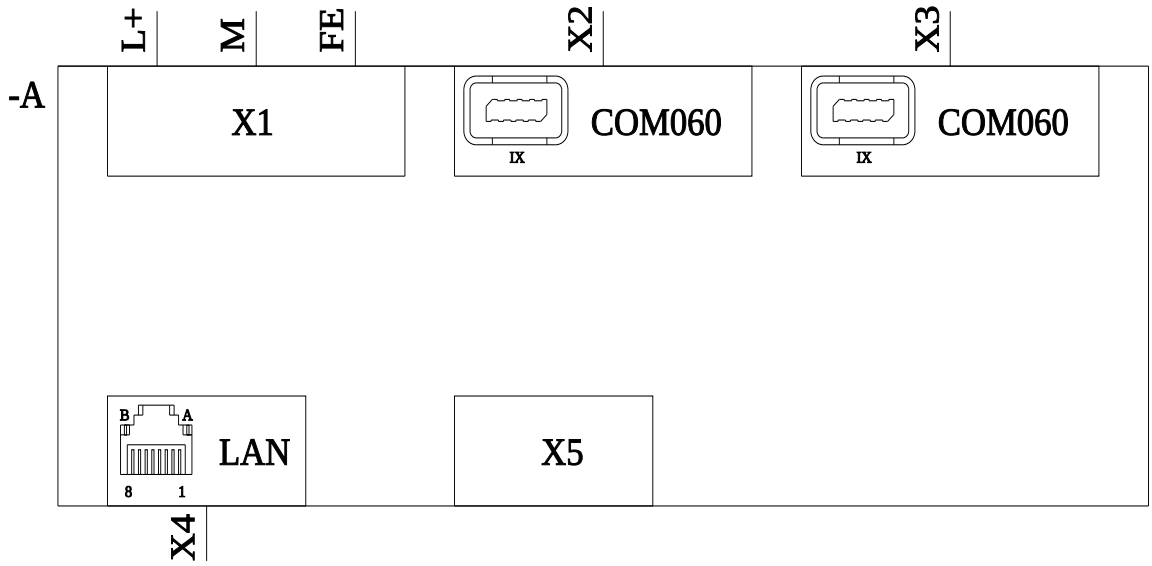
Marine / Shipping	other			Environment
	Miscellaneous	Confirmation	Miscellaneous	Environmental Confirmations

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=3VA9987-0TA20
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA9987-0TA20
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9987-0TA20
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications

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