



data concentrator COM800 accessory for: 3VA2

| Model                                                                          |                                                         |
|--------------------------------------------------------------------------------|---------------------------------------------------------|
| product brand name                                                             | SETRON                                                  |
| product designation                                                            | COM800 breaker data server                              |
| 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                              |
| Voltage                                                                        |                                                         |
| Rated control supply voltage $U_s$ with DC / maximal                           | 24 V                                                    |
| 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                              | 8                                                       |
| 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                          | 26.9 W                                                  |

|                                                                                               |                      |
|-----------------------------------------------------------------------------------------------|----------------------|
| interface / at maximum expansion                                                              |                      |
| 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                                                                                    | 200 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 mm <sup>2</sup>  |
| • maximum                                                                                     | 2.5 mm <sup>2</sup>  |
| connectable conductor cross-section / finely stranded / with core end processing              |                      |
| • minimum                                                                                     | 0.5 mm <sup>2</sup>  |
| • maximum                                                                                     | 1.5 mm <sup>2</sup>  |
| 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                |
| 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 | EMV | Test Certificates |
|--------------------------|-----|-------------------|



[Miscellaneous](#)



[Type Test Certificates/Test Report](#)

|                   |       |             |
|-------------------|-------|-------------|
| Marine / Shipping | other | Environment |
|-------------------|-------|-------------|



[Confirmation](#)

[Miscellaneous](#)

[Miscellaneous](#)



[Environmental Confirmations](#)

#### Environment

[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=3VA9987-0TA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA9987-0TA10>

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

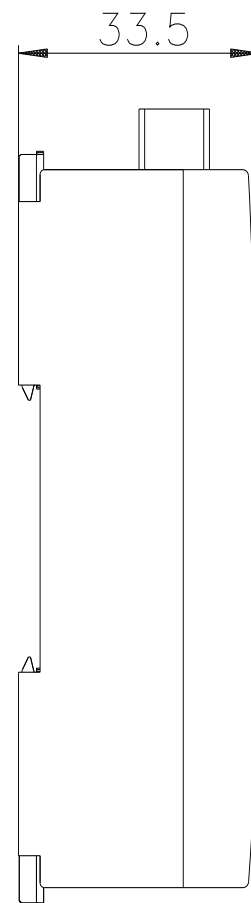
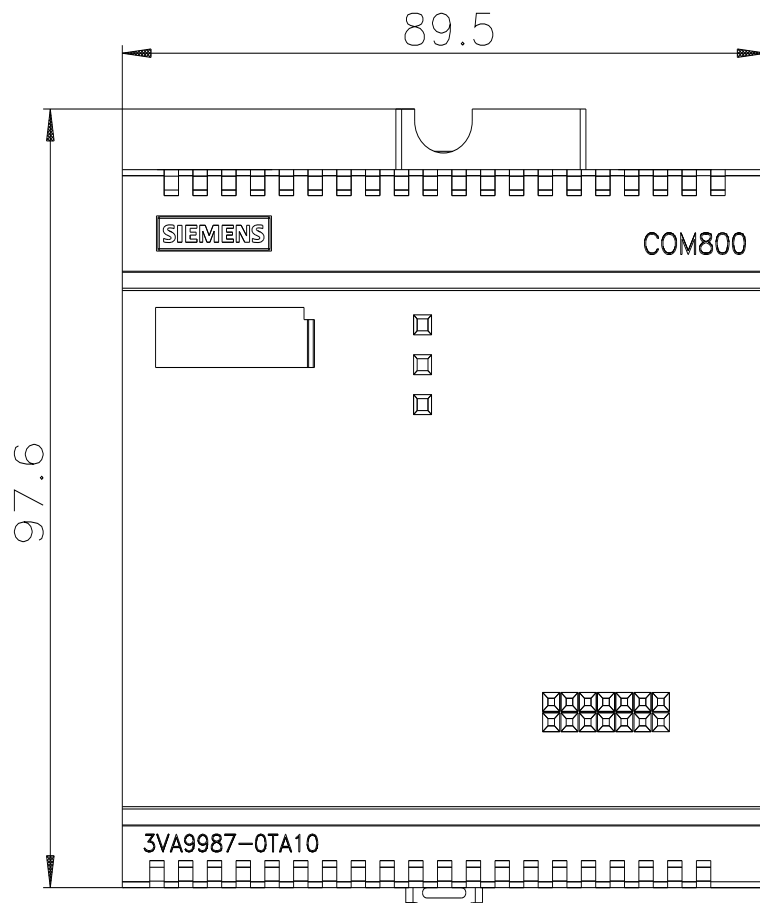
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3VA9987-0TA10](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9987-0TA10)

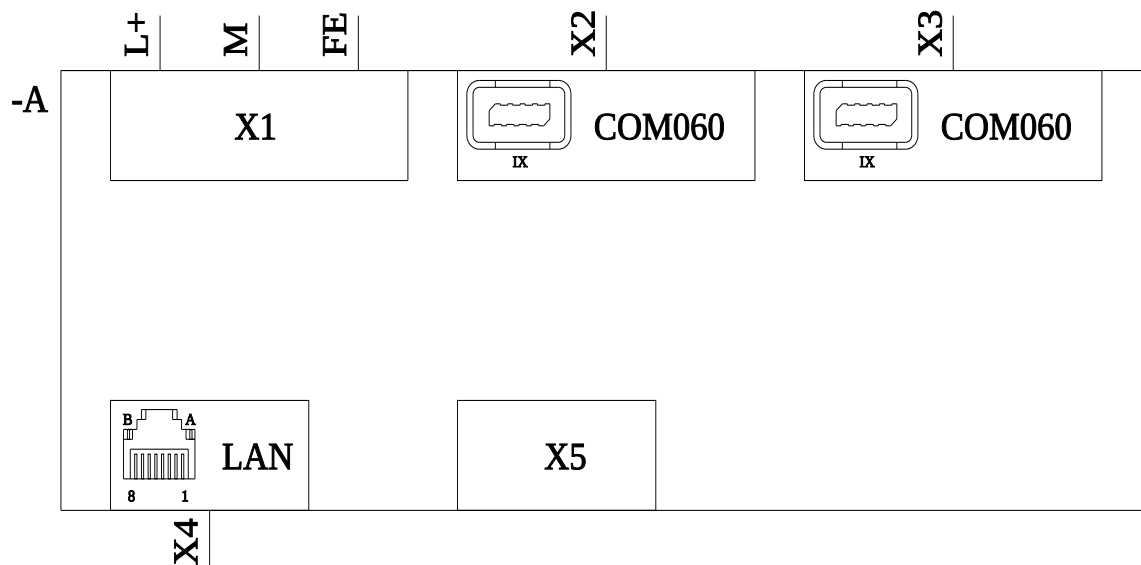
CAX-Online-Generator

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

Tender specifications

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





last modified:

3/11/2024

