

# FL COM SERVER RS485

Order No.: 2708740




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2708740>

FL COM SERVER RS-485, to convert a serial RS-485 interface to Ethernet incl. CD-ROM with drivers, additional software and user documentation (PDF)



## Commercial data

|                          |   |
|--------------------------|---|
| GTIN (EAN)               | <br>4 046356 041492 |
| sales group              | H651  |
| Pack                     | 1 pcs.  |
| Customs tariff           | 85176200  |
| Catalog page information | Page 459 (IF-2007)  |

## Product notes

WEEE/RoHS-compliant since:  
03/23/2009



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

### Serial interface

|                           |  |
|---------------------------|--|
| Interface 1               | Ethernet interface, 10/100BASE-T(X) in acc. with IEEE 802.3u |
| Transmission length       | 100 m (shielded twisted pair)                                |
| Connection method         | RJ45 female connector, shielded                              |
| Serial transmission speed | 10/100 Mbps, autonegotiation                                 |

|                             |   |
|-----------------------------|---|
| Interface 2                 | RS-485 interface, in acc. with EIA/TIA-485, DIN 66259-4/RS-485 2-wire   |
| File format/coding          | Serial asynchronous UART/NRZ, 7/8 data, 1/2 stop, 1 parity, 10/11-bit character length                            |
| Termination resistor        | 390 Ω - 180 Ω - 390 Ω (can be connected)  |
| Connection method           | D-SUB-9 male connector  |
| Data flow control/protocols | Automatic control // Modbus RTU/ASCII   |
| Serial transmission speed   | 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 187500 Bit/s, can be set with web-based management |

#### Power supply

|                             |   |
|-----------------------------|---|
| Nominal supply voltage      | 24 V DC ±20 % (via pluggable COMBICON screw terminal block)                                       |
|                             | 24 V DC ±5% (as an alternative or redundant, via backplane bus contact and system current supply) |
| Typical current consumption | max. 100 mA   |

#### General data

|  |  |
|--|--|
| Width                                      | 22.5 mm  |
| Height                                     | 99 mm  |
| Depth                                      | 118.6 mm   |
| Ambient temperature (storage/transport)    | -20 °C ... 70 °C   |
| Ambient temperature (operation)            | 0 °C ... 55 °C   |
| Electrical isolation                       | (VCC // Ethernet // RS-485)  |
| Test voltage data interface/data interface | 1.5 kV <sub>rms</sub> (50 Hz, 1 min.)  |
| Test voltage data interface/power supply   | 1.5 kV <sub>rms</sub>  |
|  | 1.5 kV <sub>rms</sub> (50 Hz, 1 min.)  |
| Electromagnetic compatibility              | Conformance with EMC directive 89/336/EC   |
| Noise emission                             | EN 50081-2   |
| Noise immunity                             | EN 61000-6-2:2005  |
| Degree of protection                       | IP20   |
| Net weight                                 | 190 g  |
| Housing material                           | PA V0, color green   |
| Color                                      | green  |
| MTBF                                       | 666 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day))     |
|  | 179 Years (Telcordia standard, 40°C temperature, 34.25% operating cycle (5 days a week, 12 hours a day)) |

**Function**

|                                  |  |
|----------------------------------|--|
| Management                       | Web-based management, SNMP or Factory Manager Software<br>FL SWT   |
| Status and diagnostic indicators | LEDs: UL (communication voltage), AC (data activity RS-485),<br>FD (full duplex): 100 (100Base-T (X) operation), COL (collision)<br>link and receive LED for Ethernet port |

**Certificates / Approvals**



|                   |                       |
|-------------------|-----------------------|
| Certification     | CUL, UL               |
| Certification Ex: | CUL-EX LIS, UL-EX LIS |

**Accessories**

| Item                   | Designation                    | Description   |
|------------------------|--------------------------------|---|
| <b>Cable/conductor</b> |                                |   |
| 2761059                | PSM-KA 9 SUB 25/BB/2METER      | RS-232 cable, 9-pos. D-SUB female connector 25-pos on D-SUB female connector  |
| 2799474                | PSM-KA9SUB9/BB/2METER          | RS-232 cable, 9-pos. D-SUB female connector on 9-pos. D-SUB female connector, 9-wire, 1:1   |
| 2319200                | PSM-KAD-IL RS232/9SUB/B/0,8M   | Adapter cable to connect the IB IL RS232 and IB IL RS232-PRO Inline communication terminals to the interface converter, e.g. modem, Com server, Bluetooth or fiber optics.    |
| <b>General</b>         |                                |   |
| 2707437                | ME 22,5 TBUS 1,5/ 5-ST-3,81 GN | DIN rail connector for current transducers, gold-plated contacts, for DIN rail mounting, 5-pos.   |
| 2866983                | MINI-SYS-PS-100-240AC/24DC/1.5 | DIN rail power supply unit, primary-switched mode, slim design, output: 24 V DC / 1.5 A   |
| <b>Plug/Adapter</b>    |                                |   |
| 2761499                | SUBCON 9/F-SH                  | D-SUB connector, 9-pos. female connector, one cable entry < 35°, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to screw connection terminal block |
| 2761509                | SUBCON 9/M-SH                  | D-SUB connector, 9-pos., male connector, one cable entry < 35°, universal type for all systems, pin assignment: 1, 2, 3, 4, 5, 6, 7, 8, 9 to screw connection terminal block  |

**Address**

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