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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 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)	
sales group	H651
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 459 (IF-2007)

**Product notes**

WEEE/RoHS-compliant since:  
07/16/2009



<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	
<b>Serial interface</b>	
Interface 1	Ethernet interface, 10/100BASE-T(X) in acc. with IEEE 802.3u
Transmission length	100 m (shielded twisted pair)
Type of connection	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)
Type of connection	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	Supply // Ethernet (TP) // RS-485
Test voltage data interface/power supply	1.5 kV <sub>rms</sub>
Electromagnetic compatibility	Conformance with EMC directive 89/336/EEC
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 FL SWT
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Status and diagnostic indicators	LEDs: UL (communication voltage), AC (data activity RS-485), FD (full duplex): 100 (100Base-T (X) operation), COL (collision) link and receive LED for Ethernet port
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### 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
<b>Software</b>		
2831044	FL SWT	Factory Manager, multilingual, configuration and diagnostics software for ETHERNET networks in automation

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