W&T connects

Interfaces for TCP/IP, Ethernet, RS-232, RS-485, USB, 20mA,
glass and plastic fiber optic cable, http, SNMP, OPC, Modbus TCP, I/O digital, I/O analog, ISA, PCI

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Data sheet:

RS232 isolator, 1 kV, DIN rail housing

Article no.: 88205

EUR 158.00

*Net price for
commercial users

Serial isolator with signal refreshing

The model 88205 Isolator enables galvanically isolated connection of RS232 devices. It includes its own power source via active RS232 interface, so that operation even on power-weak RS232 ports is possible without any problems.

Properties

Interfaces:

- **2x RS232**
  - 9-pin Sub-D male, DTE pinout
  - 9-pin Sub-D female, DCE pinout

- **Galvanic isolation between the ports**
  - Isolation voltage 1kV DC

Management and Connectivity:

- **No re-configuration of transmission parameters required**

Power supply:

- **External**
  - 12V-24V AC/DC via plug-in screw terminal
  - Galvanically isolated power connection

Standards & more

- **Conforms to standards both in office and industrial environments:**
  - High noise resistance per EN 61000-6-2
  - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3

- **5 year guarantee**

♥ Wish for something!
Your suggestions for improvement and additions

Worth knowing

Problem of potential differences:
For longer lines, it is almost impossible to prevent potential shifts between the interfaces of the connected devices. Differences in potential can result from distant lightning bolts but can also be caused during normal operation by switching of high-powered electrical devices in the vicinity. In the event of a potential shift, the data line acts as an equalizing line. Potential differences of as little as 7V can already lead to interference during data transmission. Differences of more than 30V are likely to damage the interface components. The use of electrical isolation for connections over very long distances is therefore a vital measure, which considerably increases the service life of the connected devices.

Technical data

Connections and displays:

Serial Port A:	RS232 Interface 9-pin SUB-D socket, DCE assignment
Serial Port B:	RS232 Interface 9-pin SUB-D adapter, DTE assignment
Baud rate:	0..115,200 baud
Data format:	any format
Galvanic isolation:	min. 1kV DC between all terminals
Max. distance:	50m
Supported signals:	all RS232 signals
Supply voltage:	12..24V AC/DC (±10%)
Current consumption:	typ. 85mA @12V DC, 45mA @24V DC
Supply connection:	Plug-in screw terminal, 5.08mm spacing Labeled "L+" and "M"
Displays:	1 LED Power 1 LED Data

Housing and other data:

Housing:	Plastic housing for top hat rail installation 105 x 22 x 75mm (L x W x H)
Weight:	approx. 100g
Ambient temperature:	Storage: -40..+70°C Operation: 0..+60°C
Permissible relative humidity:	5..95% RH (non-condensing)
Life expectancy:	> 25 years at 25°C ambient temperature
Scope of delivery:	RS232 Isolator Please order power supplies separately as accessories

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Accessories

*Net unit price for commercial users

Power supplies

Plug-in power supply, 24V / 500mA DC with Euro plug	11021	21.00€	🛒
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	38.00€	🛒
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00€	🛒

Cable and Connector Accessories

RS232 1:1-Cable, DB9F - DB9M, 2m	11952	9.90€	🛒
RS232 PC/PC cable, DB9F x DB9F, 1.8m	11992	9.90€	🛒

Mechanical Accessories

Wall mount housing, enclosure rating IP66 / IP67	11120	54.00€	🛒
Mounting bracket for wall mounting	58812	11.20€	🛒
19" DIN rail	58813	21.00€	🛒

* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.

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