



# CAN-CBM-COM1

## CAN Connection to one Serial Interface

- Standard equipment: RS-232
- Options: RS-422, RS-485 or TTY-passive
- CAN interface electrically isolated and designed acc. to ISO 11898
- CAN bit rate up to 1 Mbit/s
- DIN rail-mountable housing (TS 35)
- Extended temperature range -40 ... +85 C available



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### Serial Interface

The CAN-CBM-COM1 offers the linking of the CAN net to a serial interface. In the standard version the physical layer is realized as an RS-232 interface. Instead of the driver for RS-232 interface, the module can be equipped with piggybacks for RS-422, RS-485 or TTY-passive interfaces.

### Local Microcontroller

A C505 microcontroller handles the serial interface and the CAN.

### CAN Interface

The ISO 11898-compliant CAN interface allows a maximum data-transfer rate of 1 Mbit/s (max. 35 m cable length). The CAN interface is electrically isolated by opto-couplers and DC/DC converters.

### Complete Firmware On-board

The complete EPROM resident CAN communication firmware for operation of the CAN-CBM-COM1 is contained in the scope of delivery. The module is available with CANlayer-2 protocol and CANopen.

For further information please visit  
<http://www.esd-electronics-usa.com/PLC-Modules.html>

growing with the  
challenge

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### Technical Specifications:

<b>Process coupling:</b>	
Number of serial interfaces:	1
Equipment of the serial interface:	Standard version: RS-232 Options: RS-422, RS-485 or TTYpassive
Baud rate:	RS-232: Max. 38.4 kbit/s RS-422: max. 125 kbit/s RS-485: max. 125 kbit/s TTYp:typ. 1200 bit/s
Handshake:	Xon/Xoff
<b>CAN:</b>	
CAN controller:	C505
CAN interface:	Differential, electrically isolated, 1 Mbit/s, ISO11898
Diagnostic LEDs:	Status of CAN module displayed by one green and one red LED
<b>General:</b>	
Ambient temperature:	0 ... +50 C, -40 ... +85 C (extended temp. range)
Module operating voltage:	+10 ... 30 VDC
Connectors:	Combicon style
Case dimensions:	25 mm x 88 mm x 85 mm, DIN-EN carrier rail mounting

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### Order Information:

Designation		Order No.
CAN-CBM-COM1	CAN-layer2-to-serial, RS-232, power supply 10...30 VDC	C.2841.02
CAN-CBM-COM1	CANopen-to-serial, RS-232, power supply 10...30 VDC	C.2841.03
<b>Instead of RS-232 with (specify in order):</b>		
	RS-422 adaptor	V.1930.02
	RS-485 adaptor	V.1930.04
	TTY-20mA passive	V.1930.06

