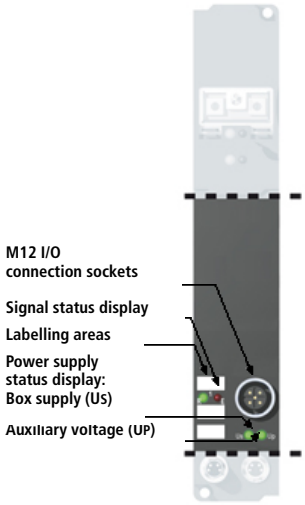

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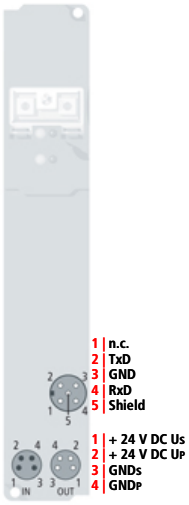

Connector assignment

IP6002-Bxxx | 1-channel serial interface, RS232

The IP6002 serial interface module allows the connection of devices with an RS232 interface, which operates in conformity with the CCITT V.28/DIN 66 259-1 standards. The module transmits the data in a fully transparent manner to the higher-level automation device. The data is transferred via the fieldbus using a simple handshake protocol. This does not have any effect on the protocol of the serial interface. The active serial communication channel functions independently of the higher-level bus system in full duplex mode at up to 115,200 baud, while a 128 bytes receive buffer and a 16 bytes send buffer are available. The RS232 interface guarantees high immunity to interference through electrically isolated signals.

Technical data	IP6002-Bxxx
Data transfer channels	2 (1/1), TxD and RxD, full duplex
Data transfer rates	1200…115,200 baud, 9600 baud (8 bits, no parity, 1 stop bit) is preset
RS232 connection	M12, screw type
Nominal voltage	24 V DC (-15 %/+20 %)
Bit transfer	RS232 (EIA-232)
Bit distortion	< 3 %
Cable length	max. 15 m
"0" signal voltage	-18…+3 V
"1" signal voltage	3…18 V
Data buffer	128 bytes receive buffer, 16 bytes transmit buffer
Power supply connection	feed: 1 x M8 male socket, 4-pin; downstream connection: 1 x M8 female socket, 4-pin
Current consumption from Us (without sensor current)	see documentation
Bit width in the process image	input/output: 3 x 8 bit user data, 1 x 8 bit control/status (up to 5 x 8 bit user data are possible)
Electrical isolation	RS232/control voltage: 500 V, to the fieldbus: depends on the bus system
Operating/storage temperature	0…+55 °C/-25…+85 °C
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 65/66/67 (conforms to EN 60529)/variable
Approvals	CE, UL