



Model Number

CBX800-KIT-B6-5004

Connection module for RS-232 and RS-485 enabled devices

Features

- PROFIBUS interface
- Easy scanner connection by means of clamp terminals

Function

Devices from the CBX* series enable RS-232 and RS-485-compatible devices to be connected quickly and easily. A wide variety of connections also allows other field devices to be connected.

By reducing installation time and the number of system failures when a device is replaced, your operating costs will be significantly lower.

Standardized pinning of connections and simple attachment of cable ends using spring terminals ensures easy cable installation.

To facilitate installation of the device, the continuous mounting holes are easy to access and the top section of the housing can be removed.

Technical Data

Indicators/operating means

Display elements	8 LEDs (POWER, ERROR, TRIGGER, IN 2, OUT 1, OUT 2, READY, HOST)
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Electrical specifications

Operating voltage	U_B	10 ... 30 V DC PELV
Current consumption		max. 2.5 A
Power consumption	P_0	max. 3 W

Interface

Physical	RS-485
Protocol	PROFIBUS DP V0 and V1
Transfer rate	9.6; 19.2; 93.75; 187.5; 500; 1500 kBit/s 3; 6; 12 Mbit/s self-synchronizing

Ambient conditions

Ambient temperature	0 ... 50 °C (32 ... 122 °F)
Storage temperature	-20 ... 70 °C (-4 ... 158 °F)
Relative humidity	90 % , noncondensing
Shock resistance	30G ; 11 ms ; 3 impacts on each axis
Vibration resistance	1.5 mm ; 10 ... 55 Hz ; 2 hours on each axis

Mechanical specifications

Degree of protection	IP40
Connection	25-pin Sub-D socket for Barcode scanner , M12 connector/socket, 4-pin for Operating voltage and Trigger M16 cable gland for system connection (3x) , 9-pin Sub-D socket for PROFIBUS interface

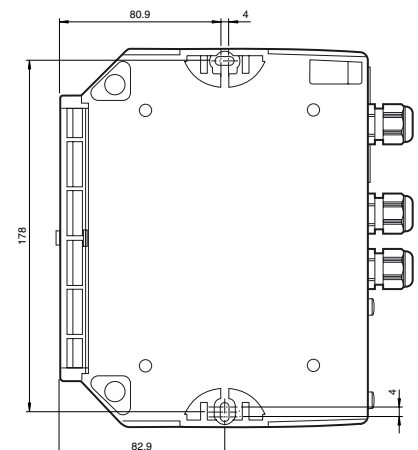
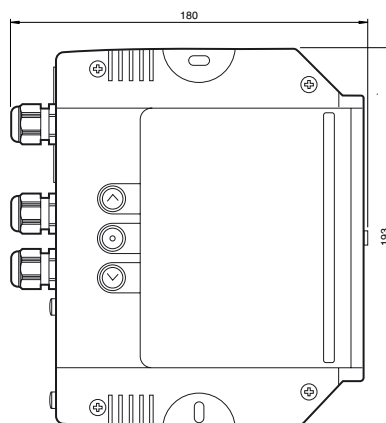
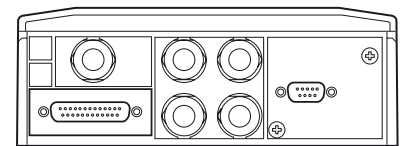
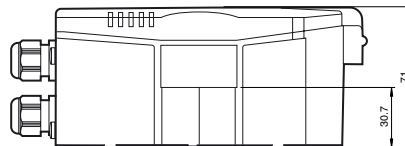
Material

Housing	PC (Polycarbonate)
Mass	780 g

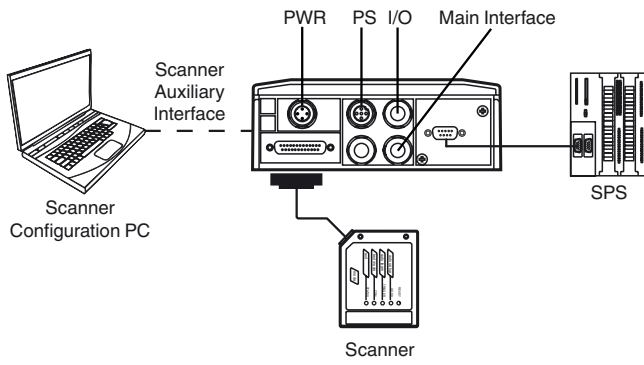
Compliance with standards and directives

Directive conformity	89/336 EWG
Standard conformity	
Noise immunity	EN 61000-6-2
Degree of protection	EN 60529
Shock and impact resistance	EN 60068-2-27
Vibration resistance	EN 60068-2-6

Dimensions

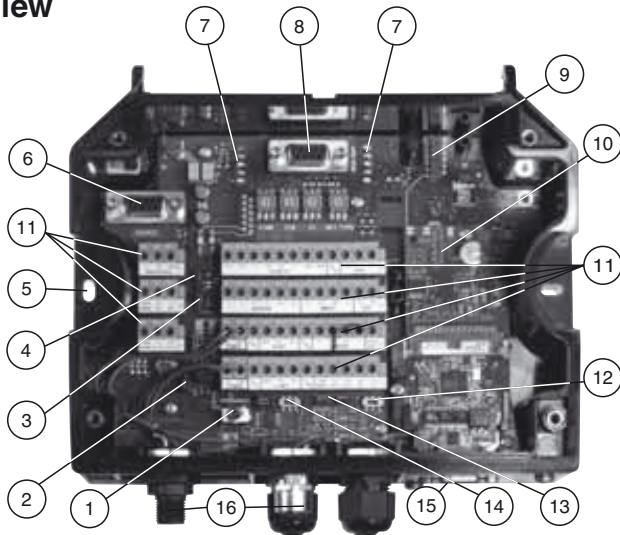


Electrical connection



Electrical connection

Inside View



- | | |
|--|---|
| ① Power switch (on/off) | ⑨ IP65 Fieldbus Module Connector |
| ② Adjustment of Chassis grounding via Jumper | ⑩ Profibus printed circuit board |
| ③ Adjustment of Source shield via Jumper | ⑪ Terminal Block |
| ④ Adjustment of Power source via Jumper | ⑫ RS 485 Termination resistance switch |
| ⑤ Mounting Holes (2x) | ⑬ Adjustment of ID-NET/Host shield via Jumper |
| ⑥ Data source port connector | ⑭ ID-NET Termination resistance switch |
| ⑦ LEDs | ⑮ Profibus Connector |
| ⑧ Serial Interface (SUB-D, 9-pin) | ⑯ Connector power supply and trigger |

Release Date: 2016-05-04 09:00 Date of issue: 2016-05-04 230438_eng.xml