



Model Number

CBX800-KIT-B6

Connection module for RS 232 and RS 485 enabled devices

Features

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

Function

The devices of the CBX* series are connection boxes for industrial use which enable quick connection of RS 232 and RS485 compatible devices as well as their configuration and maintenance.

Thanks to a large number of connection options, you can - depending on the purpose - connect modules for all commonly available field bus systems without problems.

Thanks to a reduction of the installation time and equipment downtime (when a device is replaced) your operating expenses will be considerably lower.

Installation is simple thanks to easily reachable through mounting holes and the removable housing lid.

The standardized pin configuration of the terminal block and all other connections as well as the simple fastening of the cable ends using spring-type terminals ensure an easy installation of the cables.

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

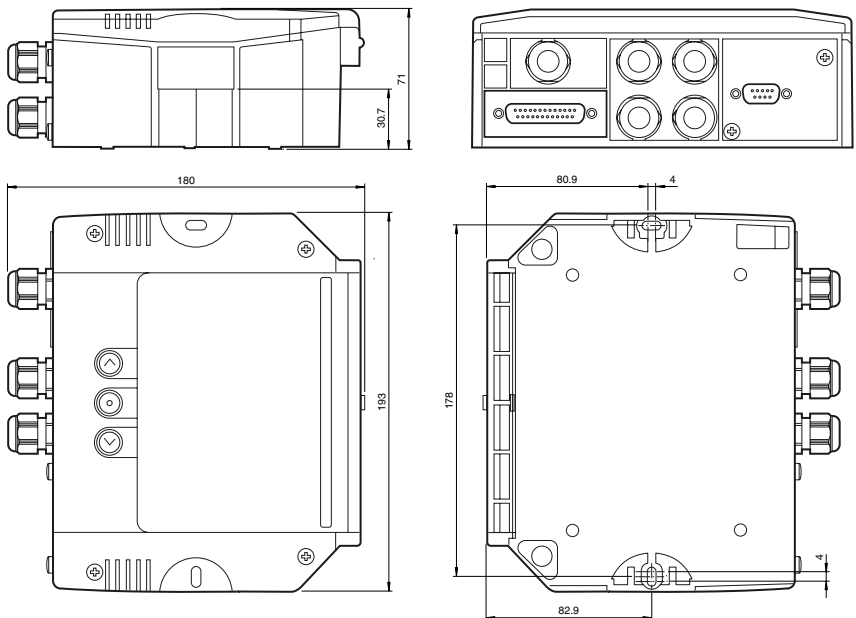
Protection degree	IP40
Connection	25-pin Sub-D socket for Barcode scanner , M16 cable gland for system connection (5x) , 9-pin Sub-D socket for PROFIBUS interface

Material	
Housing	PC (Polycarbonate)
Mass	780 g

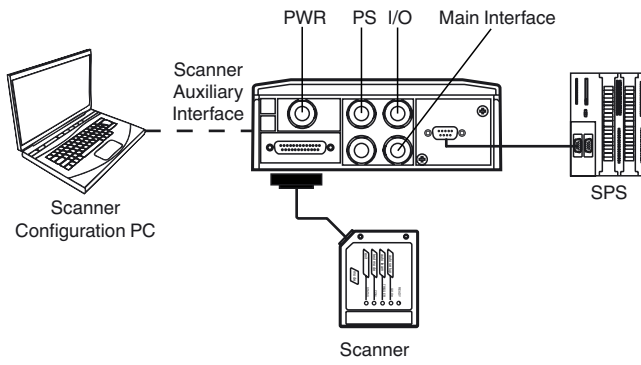
Compliance with standards and directives

Directive conformity	89/336 EWG
Standard conformity	
Interference rejection	EN 61000-6-2
Protection degree	EN 60529
Shock and impact resistance	EN 60068-2-27
Vibration resistance	EN 60068-2-6

Dimensions

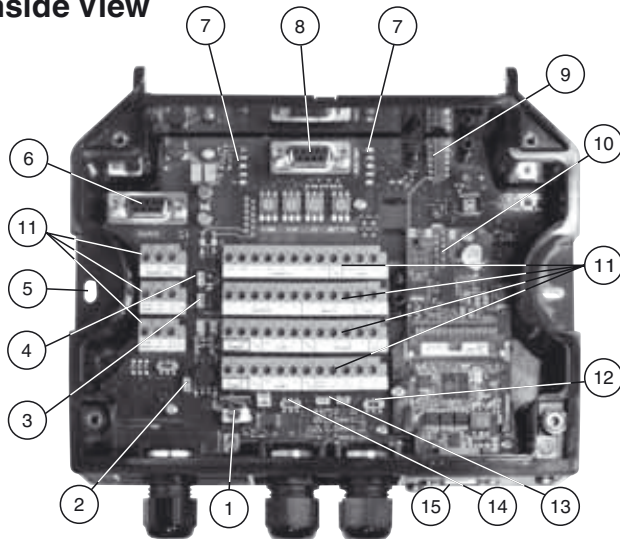


Electrical connection



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) | |

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