



# Connector box CBX800-KIT-B6

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

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



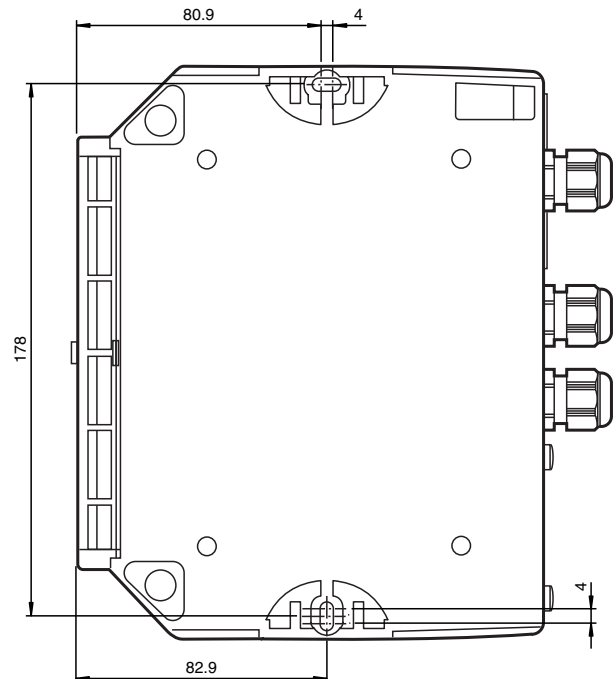
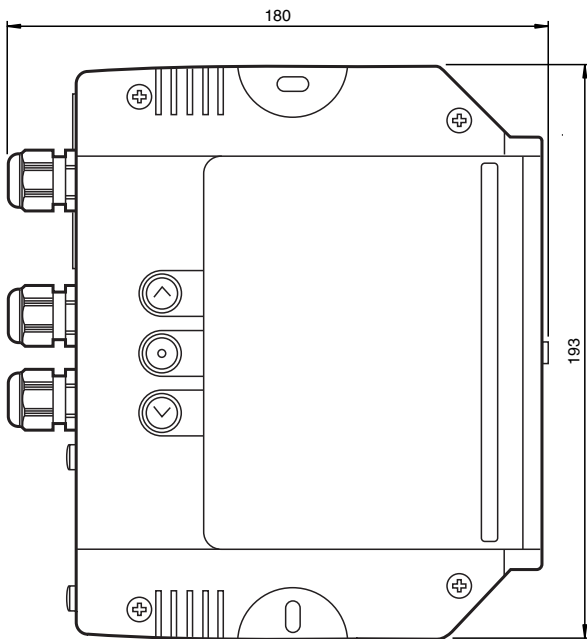
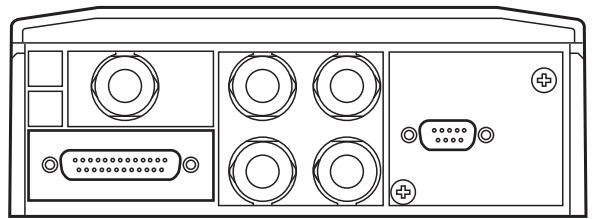
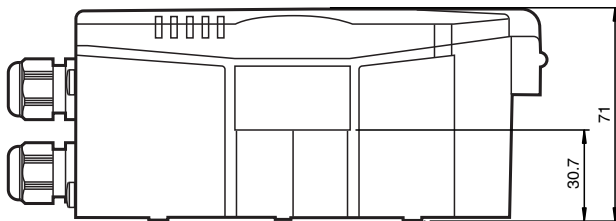
## Function

Devices from the CBX\* series enable barcode scanners 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 housing can be removed.

## Dimensions

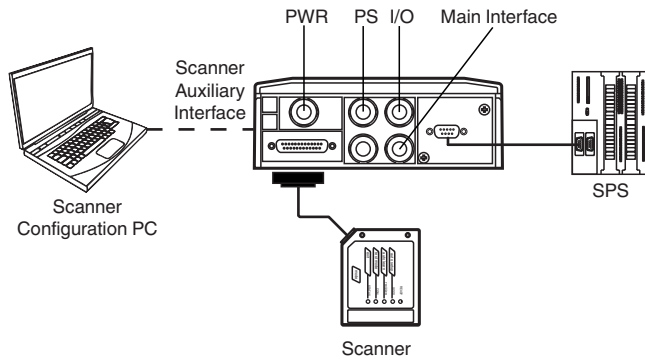


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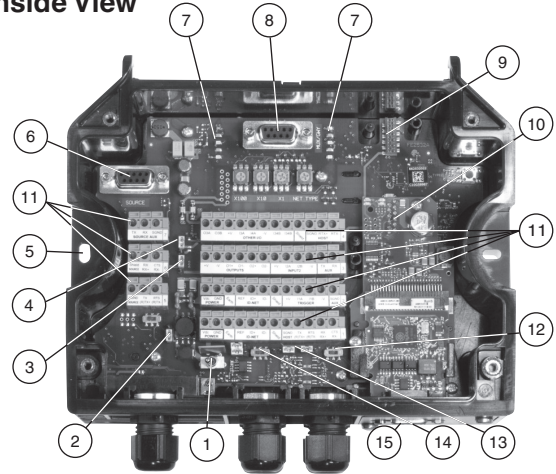
## Technical Data

<b>Indicators/operating means</b>		
Display elements		8 LEDs (POWER, ERROR, TRIGGER, IN 2, OUT 1, OUT 2, READY, HOST)
<b>Electrical specifications</b>		
Operating voltage	U <sub>B</sub>	10 ... 30 V DC PELV
Current consumption		max. 2.5 A
Power consumption	P <sub>0</sub>	max. 3 W
<b>Interface</b>		
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
<b>Compliance with standards and directives</b>		
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
<b>Ambient conditions</b>		
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
<b>Mechanical specifications</b>		
Degree of protection		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

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)            |  |