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
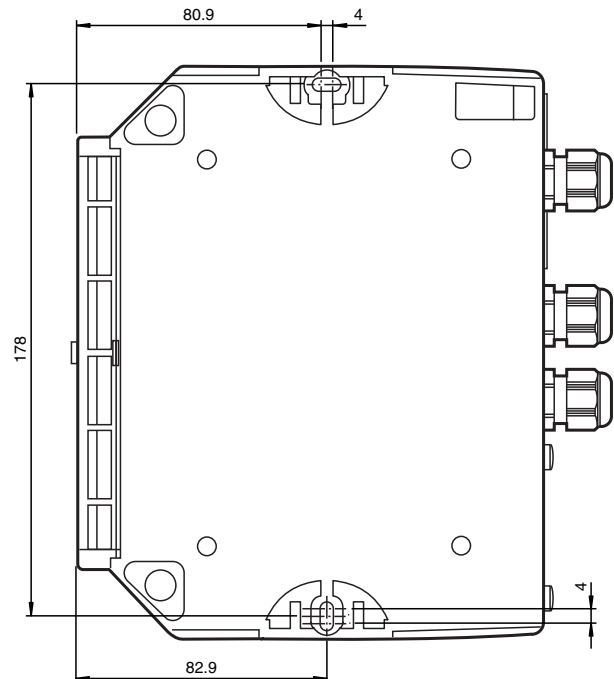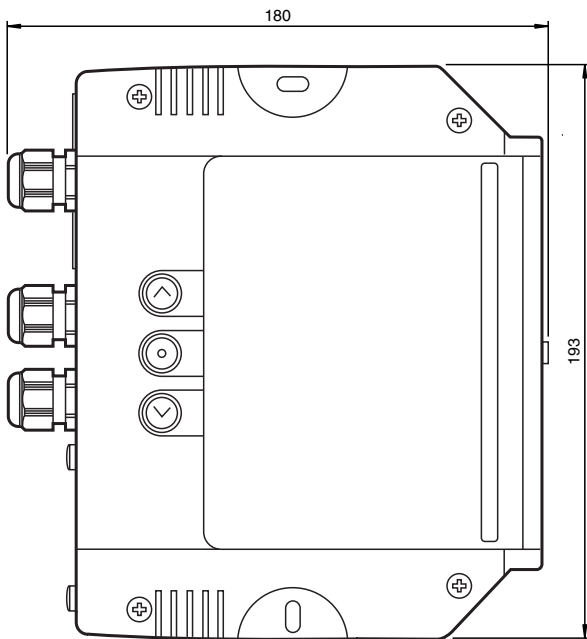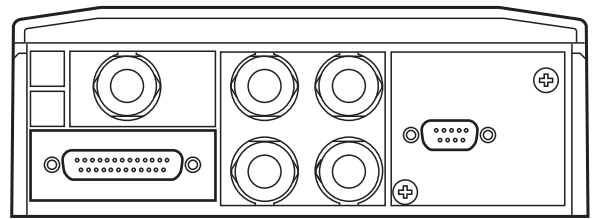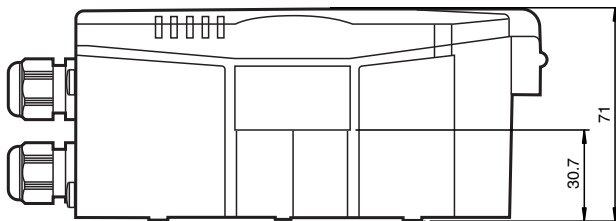
CE UKCA PROFIBUS®

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

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Indicators/operating means		
Display elements		8 LEDs (POWER, ERROR, TRIGGER, IN 2, OUT 1, OUT 2, READY, HOST)
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
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
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 , M16 cable gland for system connection (5x) , 9-pin Sub-D socket for PROFIBUS interface
Material		
Housing		PC (Polycarbonate)
Mass		780 g

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Connection
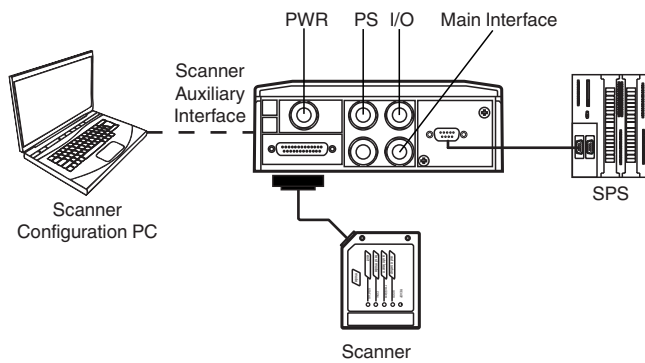
Inside View
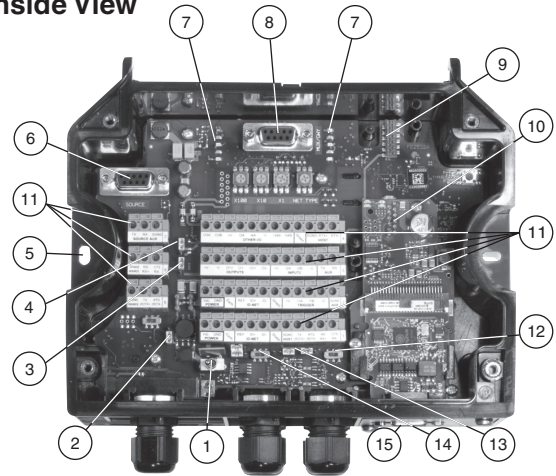
1	Power switch (on/off)		9	IP65 Fieldbus Module Connector
2	Adjustment of Chassis grounding via Jumper		10	Profibus printed circuit board
3	Adjustment of Source shield via Jumper		11	Terminal Block
4	Adjustment of Power source via Jumper		12	RS 485 Termination resistance switch
5	Mounting Holes (2x)		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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