Connector box for barcode scanner
CBX500-KIT-B6

- Connect up to 32 scanners to a network with ID-Net™
- PROFIBUS interface
- Easy scanner connection by means of clamp terminals

PROFIBUS Connector box for barcode scanner

CE UKCA

Function

Devices from the CBX* series enable RS232- and RS485-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. The configuration of the connected scanner can be saved in backup modules and restored at a later date.
To facilitate installation of the device, the continuous mounting holes are easy to access and the top section of housing can be removed.
Note: Avoid mechanical stress, such as screwing the housing cover together, in deep-freeze areas.

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

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Dimensions
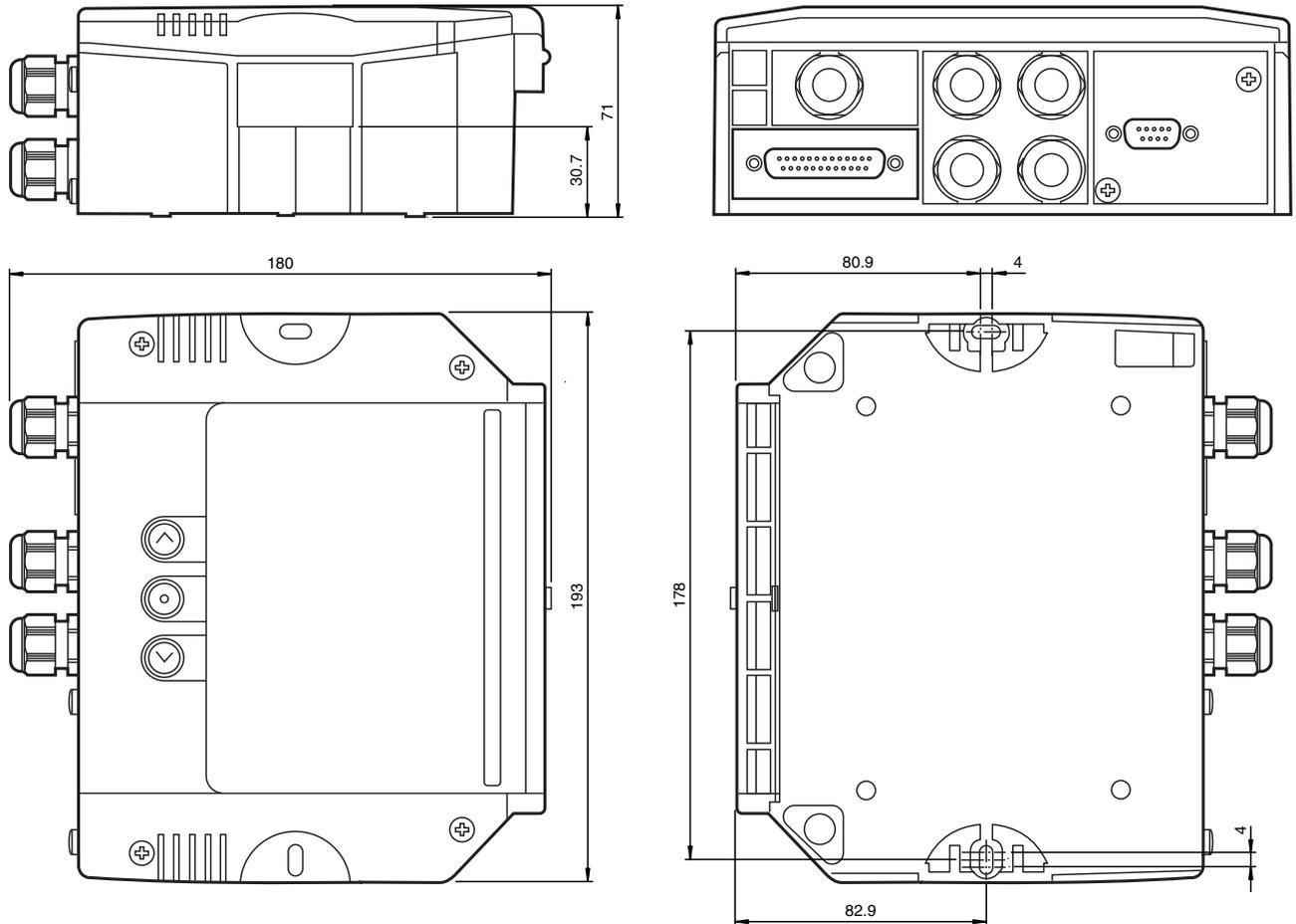
Technical Data

Indicators/operating means		
Display elements		5 LEDs (POWER, TRIGGER, IN 2, OUT 1, OUT 2)
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		
Product standard		EN 60947-5-2:2007 IEC 60947-5-2:2007
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		-35 ... 50 °C (-31 ... 122 °F) Mount, connect, and configure only between 0° ... 50°
Storage temperature		-20 ... 70 °C (-4 ... 158 °F)

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Technical Data

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

Connection
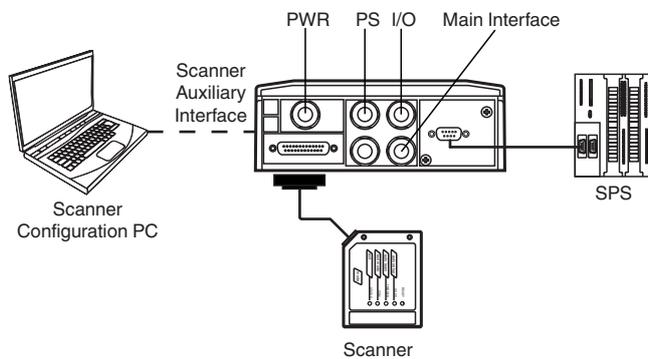
Inside View
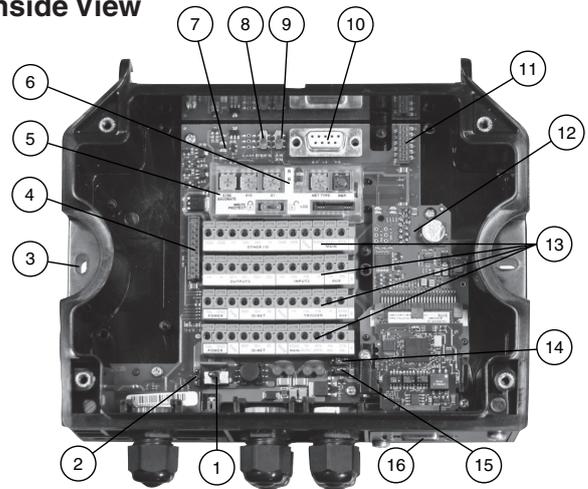
1	Power switch (on/off)	9	ID-NET Terminator Switch
2	Adjustment of Chassis grounding via Jumper	10	Serial Interface (SUB-D, 9-pin)
3	Mounting Holes (2x)	11	IP65 Fieldbus Module Connector
4	Remote I/O Extension Module Connector	12	Profibus printed circuit board
5	Backup Module Scanner parameter storage memory	13	Terminal Block
6	Adjustment Bus address	14	Adjustment of Shield to Protection Earth via Jumper
7	LEDs	15	External Power Source (on/off)
8	RS485 Terminator Switch	16	Profibus Connector

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