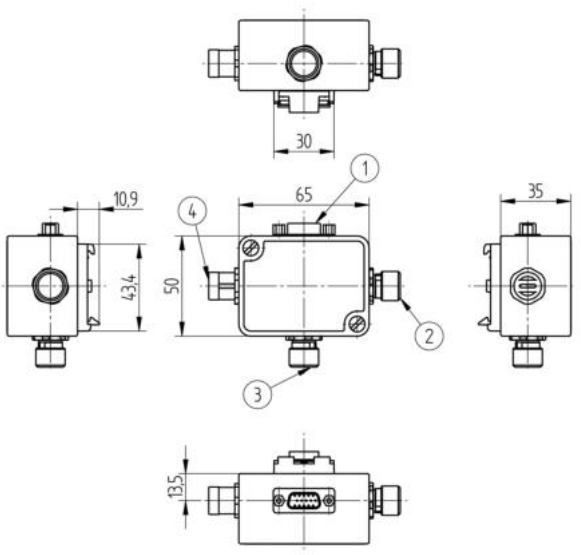
Connection Box
for 1D-/2D- and Barcode-Scanners

AB-0003-1
Part Number



All dimensions in mm (1 mm = 0.03937 Inch)

Technical Data

Electrical Data	
Supply Voltage	10...30 V DC
Voltage Supply for Scanners	5 V
Current Consumption (Ub = 24 V)	500 mA
Number of Switching Outputs	3
PNP Switching Output/Switching Current	400 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Mechanical Data	
Degree of Protection	IP65
Temperature Range	-25...60 °C
Housing Material	Plastic
Weight	73 g
Connection Mode Scanner	SubD 15 S
Connection Mode Supply Voltage, I/O	M12 × 1; 8-pin
Connection Bus Side	M12 × 1; 8-pin
DIN-Rail mounting	35 mm
Packaging unit	1 Piece
NPN-PNP Conversion	●
PNP NO/NC switchable	●
Connection Table No.	35
Suitable Connection Equipment No.	88

- **Easy handling**
- **NPN-PNP conversion of the scanner I/Os**
- **RS-232/422/485 interfaces to host, to busgateway or for daisy chain of the scanners**
- **Voltage supply for scanners (5 V)**

This connection box offers an universal solution for a smooth scanner operation. It combines voltage supply and NPN-PNP converter in one. Quickly and easily it can be connected to PC or laptop for configuration.

Complementary Products

Interface Cable S232W3

CE

RoHS

c UL us LISTED IND. CONT. EQ. 72HL / E189727 For use in class 2 circuits

Suitable Plug: 16

Scanner

PIN	Host RS-232	Host & Aux RS-232	Host RS-422/485	In/ Out
1	Power 5 V DC			In
2	TxD	TxD	TxD (–)	Out
3	RxD	RxD	RxD (–)	In
4	Power/Signal Ground			
5				
6	RTS (5 V only)	Aux TxD	TxD (+)	Out
7	Output 1 TTL			Out
8	Default Configuration			In
9	Trigger (NPN)			In
10	CTS (5 V only)	Aux RxD	RxD (+)	In
11	Output 3 TTL			Out
12	New Master (NPN)			In
13	Chassis Ground			
14	Output 2 TTL			Out

Suitable Plug: 88

Serial Communications/Host

PIN	Function	In/Out
2	Power 10...28 V DC	
3	Ground 0 V DC	
4	TxD/TxD (–)	Out
5	RxD/RxD (–)	In
6	CTS/Aux RxD/RxD (+)	In
7	RTS/Aux TxD/TxD (+)	Out

Suitable Plug: 88

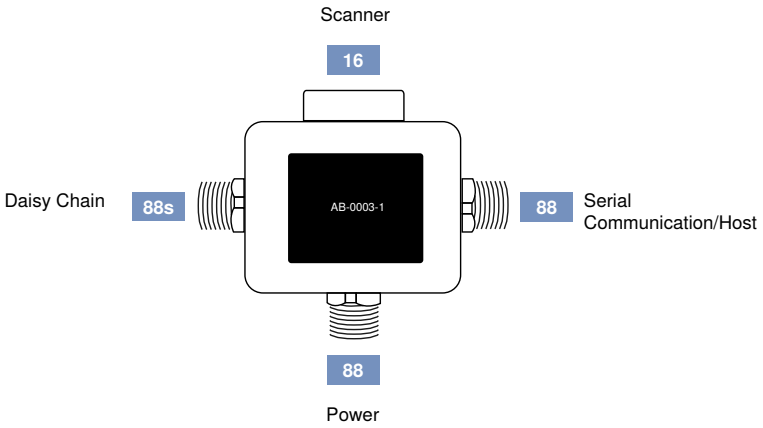
Power

PIN	Function	In/Out
1	Output 1	Out
2	Power 10...28 V DC	In
3	Ground 0 V DC	
4	Output 2	Out
5	Default Configuration	In
6	Output 3	Out
7	Trigger	In
8	New Master	In

Suitable Plug: 88s

Dasy Chain

PIN	Function	In/Out
2	Power 10...30 V DC	
3	Ground 0 V DC	
4	Aux RxD	In
5	Aux TxD	Out



Specifications are subject to change without notice