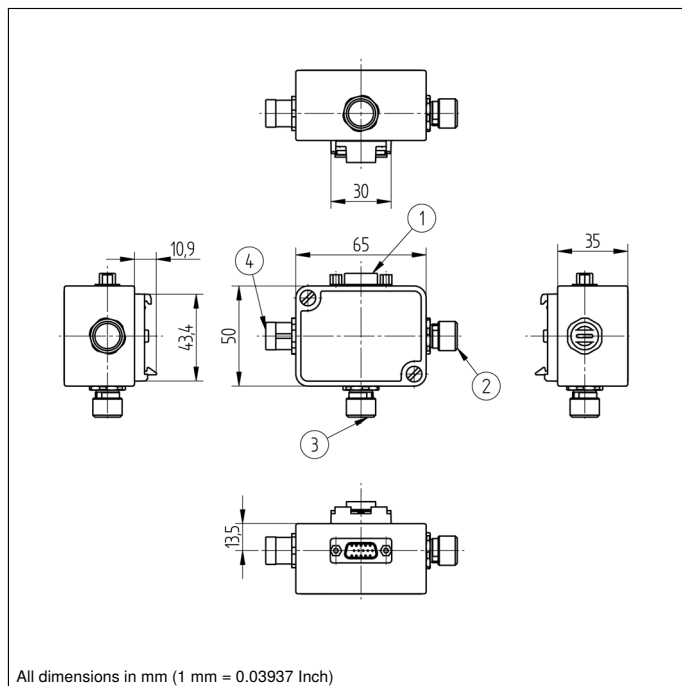


# Connection Box for 1D-/2D- and Barcode-Scanners

## AB-0003-1

Part Number



### Technical Data

Electrical Data	
Supply Voltage	10...30 V DC
Voltage Supply for Scanners	5 V
Current Consumption (U <sub>b</sub> = 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.	<b>35</b>
Suitable Connection Equipment No.	<b>88</b>

- 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



**35**

 Suitable Plug: **16**

 Suitable Plug: **88**
**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 <sup>(5 V only)</sup>	Aux TxD	TxD (+)	Out
7	Output 1 TTL			Out
8	Default Configuration			In
9	Trigger (NPN)			In
10	CTS <sup>(5 V only)</sup>	Aux RxD	RxD (+)	In
11	Output 3 TTL			Out
12	New Master (NPN)			In
13	Chassis Ground			
14	Output 2 TTL			Out
15				

**Power**

Pin	Function	In/Out
1	Output 1	Out
2	Power +10...30 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: **88**

 Suitable Plug: **88s**
**Serial Communications/Host**

Pin	Function	In/Out
2	Power +10...30 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

**Daisy Chain**

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

