

# Datasheet

→ **TBSUSBA** 

04/05/2026



## Technical data

Component for protecting USB interfaces

Type	TBSUSBA
Series	accessories
Rubric	Accessory pushbuttons/switches
Approvals	CE



## → General data

Dimensions	66.5 x 50 x 20 mm
Operating temperature	-25 °C ... 50 °C
Colour	Charcoal
Storage temperature	-25 °C ... 80 °C
Material	ABS plastic
Degree of protection front	IP20
Specification	USB 2.1

### Installation location

- Control cabinet or closed housing
- Must only be accessible to service personnel

### Functional description

<b>Standard (inactive)</b>	Charge Enable	Off
	DATA Enable	Off
	Enable	None
	Luminous ring color	Red
<b>Charging (active)</b>	Charge Enable	On (+24 V DC)
	DATA Enable	Off
	Enable	USB-Charging function
	Luminous ring color	Blue
<b>Data (active)</b>	Charge Enable	On (+24 V DC)
	DATA Enable	On (+24 V DC)
	Enable	USB-Data transfer
	Luminous ring color	Green

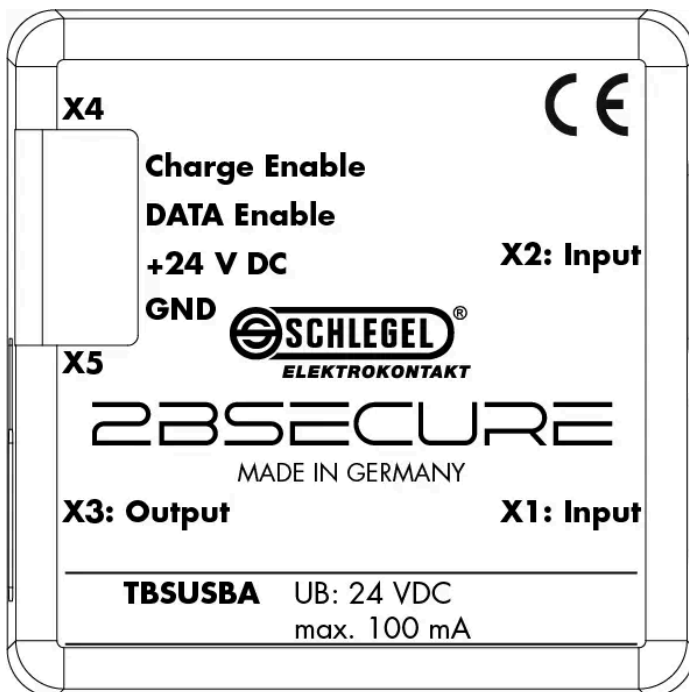
### → Electrical data

<i>Stripping length</i>	8 mm
<i>Number of outputs</i>	1
<i>Outputs</i>	USB-C
<i>Inputs</i>	USB-A, USB-C
<i>Number of inputs</i>	2
<i>Total power consumption</i>	30 mA 80 mA with LED ring
<i>Rated voltage</i>	24 V DC ±10% from an external PELV/SELV supply 5 V USB
<i>Protection class</i>	III

### Notes

- **Attention!** A **Class 2 switching power supply** must be used for the power supply
- **Attention!** Input **X4-1** (charging function) may be loaded with a **maximum of 500 mA**
- The connection cable to X4 must not be longer than 30 meters
- Output X5 is not short-circuit proof

Connection identifier	Connection
X1	USB-C input
X2	USB-A Input
X3	USB-C output
X4 X4-1 X4-2 X4-3 X4-4	Connection terminal Charge Enable (control line) DATA Enable (control line) +24 V DC GND
X5 X5-1 X5-2 X5-3 X5-4	Luminous ring (Molex 52048-0410) GND +24 V red +24 V green +24 V blue



## → Mechanical data

<i>Connection</i>	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> single-wire/multi-wire 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> multi-wire with wire end ferrule without plastic sleeve 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> multi-wire with wire end ferrule with plastic sleeve 16 AWG ... 24 AWG
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<i>Mounting position</i>	Any
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### Note

- Size M3 screws are required to install 2BSecure

## Technical drawings

### → Dimensional drawing

