

Datasheet

→ TBSRJ45A

05/23/2025



Technical data

Component for protecting Ethernet interfaces

Type	TBSRJ45A
Series	Accessories
Rubric	Accessories command devices
Approvals	CE



→ General data

Dimensions	66.5 x 50 x 20 mm
Operating temperature	-25 °C ... 60 °C
Colour	Charcoal
Storage temperature	-25 °C ... 80 °C
Material	ABS
Degree of protection front	IP20
Specification	Ethernet 10/100 Mbit/s

→ General note

Installation location

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

Function description		
Standard	DATA Enable	Off
	Enable	None
	Luminous ring color	Red
Data	DATA Enable	On (+24 V DC)
	Enable	Ethernet-Data transfer
	Luminous ring color	Green

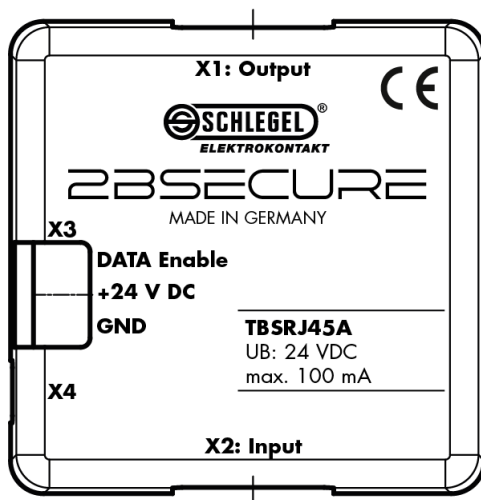
→ Electrical data

Stripping length	8 mm
Number of outputs	1
Number of inputs	1
Outputs	RJ45 8/4
Inputs	RJ45 8/4
Total current consumption	40 mA 60 mA with LED ring
Rated voltage	24 V DC ±10% from a PELV/SELV supply

→ Electrical note

- The connection cable to X3 must not be longer than 30 meters.
- Output X4 is not short-circuit proof.

Connection identifier	Connection
X1	RJ45 input
X2	RJ45 output
X3	Connection terminal
X3-1	DATA Enable (control line)
X3-2	+24 V DC
X3-3	GND
X4	Luminous ring (JST: S3B-ZR(LF)(SN))
X4-1	GND
X4-2	+24 V red
X4-3	+24 V green



→ Mechanical data

Connection

0.2 mm² ... 1.5 mm² single-core/multi-core
 0.25 mm² ... 0.75 mm² multi-core with ferrule without plastic sleeve
 0.25 mm² ... 0.75 mm² multi-core with wire end ferrule with plastic sleeve
 16 AWG ... 24 AWG

Mounting position

Any

→ Mechanical note

- Size M3 screws are required to install 2BSecure

Technical drawings

→ Dimensional drawing

