

# TB846

## Freelance hardware selector



The TB846 redundant ModuleBus Cable Adaptor is used together with TB845 and two TK801V0xx to extend the ModuleBus. Using this extension I/O modules on the same electrical ModuleBus can be mounted on different DIN rails. TB846 can also be used together with TB842 to provide an optical extension of the ModuleBus.

### General info

Article number	3BSE021439R1
Mechanics	S800

### Environment and certification

CE mark	Yes
Electrical safety	IEC 61131-2, UL 61010-1, UL 61010-2-201
Hazardous Location	C1 Div 2 cULus, C1 Zone 2 cULus, ATEX Zone 2
Marine certification	ABS, BV, DNV, LR
Temperature, Operating	0 to +55 °C (Storage -25 to +70 °C), RH=5 to 95 % no condensation, IEC/EN 61131-2
Pollution degree	Degree 2, IEC 60664-1
Corrosion protection	ISA-S71.04: G3
Protection class	IP20 according to IEC 60529
Mechanical operating conditions	IEC 61131-2
EMC	EN 61000-6-4 and EN 61000-6-2
Oversupply categories	IEC/EN 60664-1
Equipment class	Class I according to IEC 61140; (earth protected)
RoHS compliance	EU RoHS, UAE RoHS, CN RoHS
WEEE compliance	DIRECTIVE/2012/19/EU

---

**Dimensions**

Width	43 mm
Depth	31.5 mm
Height	186 mm
Weight	180 g

---

---

**solutions.abb/freelance**  
**solutions.abb/controlsystems**

---

We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not assume any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document – including parts thereof – are prohibited without ABB's prior written permission.

Copyright© 2026 ABB All rights reserved