

TU841

Compact Product Suite hardware selector



The TU841 is a module termination unit (MTU) for redundant configuration of Optical ModuleBus Modem TB840/TB840A, for use with non-redundant I/O.

The MTU is a passive unit having connections for power supply, a single electrical ModuleBus, two TB840/TB840A and a rotary switch for cluster address (1 to 7) setting.

Four mechanical keys, two for each position, are used to configured the MTU for the right types of modules. Each key has six positions, which gives a total number of 36 different configurations. The configurations can be changed with a screwdriver.

Termination Unit TU840 connects TB840/TB840A to redundant I/O. Termination Unit TU841 connects TB840/TB840A to non-redundant I/O.

Features and benefits

- A rotary switch for cluster address setting
- Mechanical keying prevents insertion of wrong module type
- Single ModuleBus connection
- Latching device to DIN rail for locking and grounding
- DIN rail mounted

General info	
Protocol	ABB's Modulebus
Article number	3BSE020848R11
Master or slave	Not Applicable
Line redundancy	Yes
Type	Redundant TB840/TB840A, Single I/O, Single Power
Power input	24 V d.c (19.2 - 30 V)
Mounting	Both directions

Detailed data	
ModuleBus current distribution	Maximum 5 V 1.5 A 24 V 1.5 A
Mechanical Keys	36 different combinations
Acceptable wire sizes	Solid: 0.2 - 2.5 mm ² Stranded: 0.2 - 2.5 mm ² , 24 -12 AWG Recommended torque: 0.5 Nm
Rated insulation voltage	50 V
Dialectic test voltage	500 V a.c
Power dissipation	2.0 W

Environmental and certification	
Temperature, Operating	60 °C
Equipment class	Class 1 according to IEC 60536; (earth protected)
Ingress protection	IP20 according to IEC 60529
CE- marking	Yes
Electrical Safety	cULus
Hazardous location	cULus Hazardous Location Class 1 Zone 2, ATEX Hazardous Location Zone 2
Marine certificates	ABS, BV, DNV-GL, LR, RS, CCS
RoHS compliance	EN 50581:2012
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions	
Height	186 mm (7.32 in.) including latch
Width	124 mm (4.88 in.)
Depth	47 mm (1.85 in.)
Weight (including base)	0.45 kg (0.99 lbs.)

www.abb.com/800xA
www.abb.com/controlsystems

800xA is a registered or pending trademark of ABB. All rights to other trademarks reside with their respective owners.

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© 2018 ABB All rights reserved