

TU807

ABB Ability™ System 800xA® hardware selector



The TU807 is a module termination unit (MTU) for single configuration of Optical ModuleBus Modem TB840/TB840A. The MTU is a passive unit having connections for power supply, a single electrical ModuleBus, one TB840/TB840A and a rotary switch for cluster address (1 to 7) setting.

Features and benefits

- Support for single modulebus I/O Including 1 pcs of TB807
- 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	
Article number	3BSE039025R1
Communication protocol	Modulebus
Master or slave	N/A
Hot Swap	No
Used together with HI Controller	Yes
Power input	24 V d.c. (19.2 - 30 V)
Mounting	Vertical or Horizontal

Detailed data	
Connector	Terminal Block
24 V consumption typ.	N/A
ModuleBus current distribution	Maximum 5V 1.5 A 24V 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.

Environment and certification	
CE- marking	Yes
Electrical Safety	EN 61010-1, UL 61010-1, EN 61010-2-201, UL 61010-2-201
Hazardous location	cULus Hazardous Location Class 1 Zone 2, ATEX Zone 2
Temperature, Operating	0 to +55 °C (+32 to +131 °F), approvals are issued for +5 to +55 °C
Temperature, Storage	-40 to +70 °C (-40 to +158° F)
Relative humidity	5 to 95 %, non-condensing
Max ambient temperature	55 °C (131 °F), for vertical mounting 40 °C (104 °F)
Equipment class	Class I according to IEC 60536; (earth protected)
Ingress protection	IP20 according to IEC 60529
RoHS compliance	EU RoHS, UAE RoHS, CN RoHS
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions	
Width	59 mm (1.57")
Height	186.5 mm (7.34") including latch
Depth	47 mm (1.85")
Weight	0.45 kg (0.99 lbs.)

solutions.abb/800xA
solutions.abb/controlsystems

800xA and Symphony Plus is a registered 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© 2026 ABB All rights reserved