

DATA SHEET

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	DIRECTIVE/2011/65/EU (EN 50581:2012)	
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.)



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