

# 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 <sup>2</sup> Stranded: 0.2 - 2.5 mm <sup>2</sup> , 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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