DATA SHEET

TU849
Compact Product Suite hardware selector

The TU849 is a module termination unit (MTU) for redundant configuration of Optical ModuleBus Modem TB840/TB840A.

The MTU is a passive unit having connections for double power supply, one for each modem, 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.

The MTU can be mounted on a standard DIN rail. It has a mechanical latch that locks the MTU to the DIN rail. The latch can be locked/unlocked with a screwdriver.

Termination unit TU848 has individual power supply connections and connects TB840/TB840A to redundant I/O. Termination unit TU849 has individual power supply connections and connects TB840/TB840A to non-redundant I/O.

Features and benefits

- Dual power supply connection
- 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	3BSE042560R1
Communication protocol	Modulebus
Master or slave	N/A
Line redundancy	Yes
Hot Swap	No
Type	Redundant TB840/TB840A, Single I/O, Dual Power
Power input	24 V d.c (19.2 -30 V)
Mounting	Vertical or Horizontal

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

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
Marine certificates	ABS, BV, DNV-GL, LR
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	124 mm (4.88 in.)
Height	186.5 mm (7.34 in.) including latch
Depth	47 mm (1.85 in.)
Weight	0.45 kg (0.99 lbs.)

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