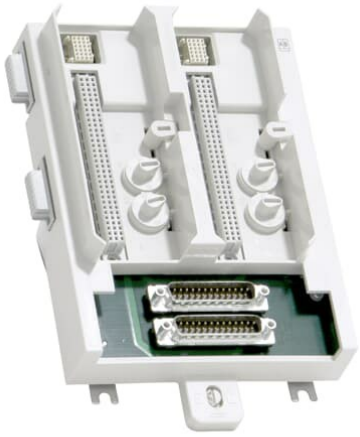
DATA SHEET

TU852
Freelance hardware selector



The TU852 is a 16 channel module termination unit (MTU) for redundant S800 I/O modules and for mounting on a horizontal DIN rail. The MTU is a passive unit used for connection of the field wiring to the I/O modules. It also contains a part of the ModuleBus.

The TU842 MTU can have up to 16 I/O channels and process voltage connections. Each channel has two uncommitted I/O connections. Normally S1-16 (signals) on X1A and U1-16 (power out) on X1B. Each DB25 include terminals for ZP, UP and EM.

The MTU distributes the two ModuleBuses to each I/O module and to the next MTU. It also generates the correct address to the I/O modules by shifting the outgoing position signals to the next MTU.

Features and benefits

- Complete installation of I/O modules using 3-wire connections and field power distribution.
- Up to 16 channels of field signals and process power connections.
- Connections to two ModuleBuses and I/O modules.
- Mechanical keying prevents insertion of the wrong I/O module.
- Latching device to DIN rail for grounding.
- DIN rail mounting.

General info	
Article number	3BSE069964R1
Type	Redundant
Connection	25 pin D-sub
Channels	16
Voltage	50 V
Mounting	Horizontal
Mounting detail	55 º (131 °F)
Use with I/O	AI843, AO845A, DI840, DI880, DO840, DO880 and DP840
Process connections	16 up to 16 I/O channels (2 terminals per channel), Two D-sub connectors 25 pin (male)
Single/redundant I/O	Redundant

Detailed data	
Maximum current per I/O channel	3 A
Maximum current process connection	10 A
Dielectric test voltage	500 V a.c.

Environment and certification	
CE mark	Yes
Electrical safety	EN 61010-1, UL 61010-1, EN 61010-2-201, UL 61010-2-201
Hazardous Location	ATEX Zone 2 to be released 2016
Marine certification	-
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)
Pollution degree	Degree 2, IEC 60664-1
Corrosion protection	ISA-S71.04: G3
Relative humidity	5 to 95 %, non-condensing
Max ambient temperature	55 °C (131 °F)
Protection class	IP20 according to IEC 60529
Mechanical operating conditions	IEC/EN 61131-2
EMC	EN 61000-6-4, EN 61000-6-2
Overvoltage categories	IEC/EN 60664-1, EN 50178
Equipment class	Class I according to IEC 61140; (earth protected)
RoHS compliance	EN 50581:2012
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions	
Width	131 mm (5.16 in.) including connector, 124 mm (4.88 in.) edge to edge installed
Depth	64 mm (2.52 in.) including terminals
Height	186.5 mm (7.34 in.) including locking device
Weight	0.55 kg (1.2 lbs)

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