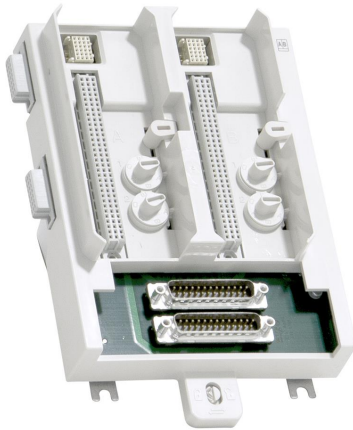


# TU852

## System 800xA 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 ° (131 °F)
Use with I/O	A1843, 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

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

<b>Environment and certification</b>	
CE mark	Yes
Electrical safety	IEC 61131-2
Hazardous Location	ATEX Zone 2 to be released 2016
Marine certification	-
Protection rating	IP20 according to IEC 60529
Corrosive atmosphere ISA-S71.04	G3
Climatic operating conditions	0 to +55 °C (Storage -40 to +70 °C), RH=5 to 95 % no condensation, IEC/EN 61131-2
Pollution degree	Degree 2, IEC 60664-1
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

<b>Dimensions</b>	
Height	186.5 mm (7.34 in.) including locking device
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

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