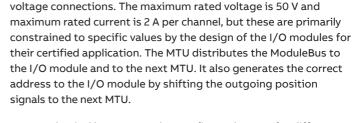


DATA SHEET

TU891

Freelance hardware selector





The TU891 MTU has gray terminals for field signals and process

Two mechanical keys are used to configure the MTU for different types of I.S. I/O modules. This is only a mechanical configuration and it does not affect the functionality of the MTU or the I/O module. The keys used on the TU891 are of the opposite gender to those on any other type of MTU and will mate only with IS I/O modules.



Features and benefits

- Intrinsic safety applications use with Al890, Al893, Al895, AO890, AO895, Dl890 and DO890
- Compact installations of I/O modules
- Field signals and process power connections
- Connections to ModuleBus and I/O modules
- Mechanical keying prevents insertion of the wrong module
- Latching device to DIN rail
- DIN rail mounting

General info		
Article number	3BSC840157R1	
Туре	Compact	
Connection	Terminal block	
Channels	8	
Voltage	24 V	
Mounting	Horizontal	
Mounting detail	55 °C (131 °F)	
Use with I/O	AI890, AI893, AI895, AO890, AO895, DI890, DO890	
Process connections	27 gray terminals	
Single/redundant I/O	Single	

Detailed data		
Maximum current per I/O channel	2 A	
Acceptable wire sizes	Process Connector: Solid 0.2 - 4 mm² Stranded 0.2 - 2.5 mm², 24 - 12 AWG Recommended torque 0.5 - 0.6 Nm	
	Power supply connector: 0.25 - 2.5 mm², 24 - 14 AWG Recommended torque 0.5 - 0.6 Nm	
Dielectric test voltage	500 V a.c.	

Environment and certification		
CE mark	Yes	
Electrical safety	IEC 61131-EN 61010-1, EN 61010-2-201	
Hazardous Location	-	
Marine certification	ABS, BV, DNV-GL, LR	
Temperature, Operating	0 to +55 °C (+32 to +131 °F) (Storage -40 to +70 °C) (-40 to +158 °F), RH=5 to 95 % non-condensing	
Pollution degree	Degree 2, IEC 60664-1	
Corrosion protection	ISA-S71.04: G3	
Max ambient temperature	55 °C (131 °F), for vertical mounting 40 °C (104 °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	64 mm (1.77 in.) including connector, 58.5 mm (2.3 in.) edge to edge installed	
Depth	58 mm (2.28 in.), 106 mm (4.2 in.) including terminals	
Height	194 mm (7.6 in.) including latch	
Weight	0.17 kg (0.37 lbs)	



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