DATA SHEET

TUW890
Compact Product Suite hardware selector

Select I/O is an Ethernet networked, single channel granular I/O system for the ABB Ability™ System 800xA automation platform. Select I/O helps decouple project tasks, minimizes the impact of late changes and supports standardization of I/O cabinetry ensuring automation projects are delivered on-time and under budget. A Signal Conditioning Module (SCM) performs the necessary signal conditioning and powering of the connected field device for one I/O channel.

The TUW890 is a separator wall used in IS applications. Specifically, this wall is for added protection and placed between Select I/O MTUs having intrinsically safe SCMs and Select I/O MTUs that include non-IS SCMs. (10 pieces of TUW890 per package)

Features and benefits

- IS Separator for I/O MTU (IS-wall)
- Usable between I/O MTU with (blue) intrinsically safe and (grey) non-intrinsically safe FTB
- Can be used in hazardous areas

General info	
Article number	3BSE093009R1
Type	IS Separator for I/O MTU
Intrinsic safety	Yes
Mechanics	Select I/O

Environment and certification	
Temperature, Operating	-40°C (-40°F) to +70°C (158°F)
Temperature, Storage	-40°C (-40°F) to +85°C (185°F)
Pollution degree	Pollution Degree 2 acc. to IEC 60664-1
Relative humidity	5 to 95 % no condensation
Altitude	-1000 to 3000 m, (-100 ... 2000 m for Zone 2/Class I Div 2)
Mechanical operating conditions	IEC 61131-2
EMC	IEC/EN 61000-6-4, IEC/EN 61000-6-2
Overvoltage categories	Category II, IEC 60664-1
Protection class	IP20 according to IEC 60529
CE-marking	Yes
Electrical Safety	IEC/EN 61010-1, IEC 61010-2-201, UL 61010-2-201, CSA C22.2 No. 61010-2-201
Hazardous Area	EN 60079-0, EN60079-7
Marine certification	ABS
Corrosive atmosphere	G3 (ISA-S71.04)
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions	
Width	110 mm (4.33 in.)
Depth	135 mm (5.31 in.)
Height	0.6 mm (0.02 in.)
Weight (including base)	9 g (0.01 lbs)

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