

TUW890

ABB Ability™ System 800xA® 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) |

solutions.abb/800xA
solutions.abb/controlsystems

800xA and Symphony Plus is a registered trademark of ABB. All rights to other trademarks reside with their respective owners.

We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not assume any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document – including parts thereof – are prohibited without ABB's prior written permission.

Copyright© 2024 ABB All rights reserved