

TL830/TL831

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.

TL830 and TL831 IP30 protection cover for power inlets on FCI base plate TU865/TU860. 20 pieces of TL830 and 10 pieces of TL831 per package.

Features and benefits

- Protection cover for power inlets on FCI base plate TU865/TU860
- Usable for enabling IP30 for the power supply connectors
- Required in case that intrinsically safe Select I/O equipment is used together with an FCI in the same cabinet
- TL830 has to be used to cover the power supply connector with any connected power supply cables
- TL831 has to be used to cover the power supply connectors without connected power supply cables

General info

| | |
|------------------|--------------|
| Article number | 3BSE093013R1 |
| Type | IP30 Cover |
| 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 | 32 mm (1.25 in.) |
| Depth | 20.8 mm (0.81 in.) |
| Height | 20 mm (0.78 in.) |
| Weight (including base) | TL830 2.5 g (0.005 lbs), TL831 2.7 g (0.006 lbs) |

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