

# TL830/TL831

## 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.

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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