

DATA SHEET

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
Overtoltage 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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