

# PTB810K01

## 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 PTB810K01 Power Injection Terminal Block Kit is used for the Select I/O Module Termination Unit (TUS810). Two PTB810s are needed per MTU. Digital output SCMs (DOS810, DOS880, DOS885) and high amp SCMs (DOS885, AIS885) require power injection. (10 pieces per package).

### Features and benefits

- Injects 24 V field power to high power SCMs on the MTU
- Can provide up to 20 A.
- Can be used in hazardous areas.
- Hole for each terminal for connecting test probes (for measurements)
- Four screws for daisy chain option of the power supply

#### General info

Article number	3BSE088182R1
Type	Power Injection Terminal Block
Mechanics	Select I/O

#### Detailed data

Installation in Hazardous Locations	ATEX – II 3G Ex nA/eC IIC T4 Gc Class I, Zone 2, IIC T4 Class I, Div 2, Groups A, B, C, D T4
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<b>Environment and certification</b>	
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, EN60079-15, UL 12.12.01 / CSA C22.2 No. 213-17
Marine certification	DNV-GL, ABS
Corrosive atmosphere	G3 (ISA-S71.04)
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU

<b>Dimensions</b>	
Width	41.4 mm (1.63 in.)
Depth	72.6 mm (2.86 in.)
Height	19.2 mm (0.75 in.)
Weight (including base)	38 g (0.08 lbs)

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