DATA SHEET

PTB820K01
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 PTB820K01 Power Injection Terminal Block (Red) 120/230 V Kit is used for the Select I/O Module Termination Unit (TUS810). Two PTB820s are needed per MTU. (10 pieces per package).

Features and benefits

- Injects 120/230 V field power to 120/230V SCMs
- Can provide up to 20 A.
- Used for 120/230V applications
- Hole for each terminal for connecting test probes (for measurements
- Four screws for the daisy-chain option of the power supply

General info	
Article number	2PAA125365R1
Type	Power Injection Terminal Block 120/230 V
Mechanics	Select I/O

Detailed data	
Installation in Hazardous Area/Locations	No/No

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 %, non-condensing
Altitude	-1000 to 5000 m (max 3000 m above 150V, restrictions apply)
Mechanical operating conditions	IEC 61131-2
EMC	IEC/EN 61000-6-4, IEC/EN 61000-6-2
Overvoltage categories	Category II acc. to IEC 60664-1
Protection class	IP20 acc. to IEC 60529
CE-marking	Yes
UKCA	Yes
Electrical Safety	IEC/EN 61010-1 UL 61010-1 CSA-C22.2 No. 61010-1-12 IEC/EN 61010-2-201 UL 61010-2-201 CSA C22.2 No. 61010-2-201
Marine certification	N/A
Corrosive atmosphere	G3
RoHS compliance	EU RoHS, UAE RoHS, CN RoHS
WEEE compliance	EU
Hazardous Area ATEX	No
Hazardous Area IECEx	No
Hazardous Location US/CAN	No
Hazardous Area CCC	No

Dimensions

Width	41.4 mm
Depth	72.6 mm
Height	19.2 mm
Weight (including base)	38 g

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