

PTB810K01

System 800xA hardware selector



System 800xA offers flexible and modular I/O solutions through fieldbus technologies, wireless I/O and hardwired I/O systems like S800 and S900. The system is now enhanced with Select I/O that allows to condition each signal coming from the field individually. Select I/O is Ethernet connected and consist of single channel granular Signal Conditioning Modules (SCM).

The following SCMs require power injection from a PTB: DOS810, DOS880 and DOS885. Power Injection Terminal Block with screws for the Select I/O Module Termination Unit. 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

Type	Power Injection Terminal Block
Article number	3BSE088182R1

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

Environmental 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)
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
Corrosive atmosphere	G3 (ISA-S71.04)
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions	
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)

www.abb.com/800xA
www.abb.com/controlsystems

800xA is a registered or pending trademark of ABB. All rights to other trademarks reside with their respective owners.

We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not assume any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document – including parts thereof – are prohibited without ABB's prior written permission.

Copyright© 2019 ABB All rights reserved