

TB861V015

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.

A cluster of up to 12 I/O units can be connected to one FCI. If they are all on the same DIN rail, the I/O MTUs are connected to each other. The Modulebus then goes through the I/O MTUs.

If not all the I/O MTUs can fit on the same DIN rail, TB861 can be used to extend the Modulebus to the first I/O MTU on the next DIN rail. The outlet part is connected to the bottom of the last I/O MTU on the first DIN rail. The inlet part is connected to the top of the first I/O MTU on the second DIN rail. TB861V015 extends the Modulebus from one DIN-rail to another. Length 1.5 m.

Features and benefits

- Extends the Modulebus from one DIN-rail to another. Length 1.5 m.
- Available in three lengths.
- DIN rail mounted. 2 locking devices (one locks outlet to DIN rail and one locks inlet to DIN rail).

General info

Article number	3BSE088164R1
Type	Compact Modulebus Extension
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

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, 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

Dimensions	
Width	48 mm (1.89 in.)
Depth	Length 1500 mm (59.05 in.)
Height	150.5 mm (5.92 in.)
Weight (including base)	918 g (2.02 lbs)

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