

# TB820V2

## System 800xA hardware selector



S800 I/O is a comprehensive, distributed and modular process I/O system that communicates with parent controllers and PLCs over industry-standard field buses. The TB820V2 ModuleBus Modem is a fiber optic interface to the ModuleBus. The ModuleBus Modem has an electric and an optical interface which are logically the same bus. A maximum of 12 I/O modules can be connected to the electrical ModuleBus and up to seven clusters can be connected to the fiber optic ModuleBus. The fiber optic interface is intended for local distribution of I/O clusters and where more than 12 I/O modules are required in an I/O station.

### Features and benefits

- 2 fiber optic ports to optical ModuleBus
- ModuleBus (electrical) to the I/O Modules
- Supervisory functions of I/O ModuleBus and power supply
- Isolated power supply to I/O modules
- TB820/TB820V2 has a rotary switch that selects its cluster number, 1 to 7, on the optical ModuleBus

#### General info

Protocol	ABB's Modulebus
Article number	3BSE013208R1
Master or slave	Slave
Line redundancy	No
Module redundancy	No
Hot Swap	No
Used together with HI Controller	Yes

#### Detailed data

24 V consumption typ.	100 mA
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Environmental and certification	
Temperature, Operating	0 to +55 °C
Temperature, Storage	-25 to +70 °C
Pollution degree	Degree 2, IEC 60664-1
Corrosion protection	ISA-S71.04: G3
Relative humidity	5 to 95 % no condensation
Protection class	IP20 according to EN60529, IEC 529
CE- marking	Yes
Electrical Safety	IEC 61131-2, UL 508
Hazardous location	C1 Div 2 cULus, C1 Zone 2 cULus, ATEX Zone 2
Marine certificates	ABS, BV, DNV-GL, LR, RS, CCS
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions	
Height	170 mm (6.7 in.) including latch
Width	58 mm (2.39 in.)
Depth	122 mm (4.8 in.)
Weight	0.3 kg (0.66 lbs)

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