

TB825 (Multi Mode)

ABB Ability™ System 800xA® hardware selector

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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 TB825 ModuleBus Optical media converter, converts between plastic opto fiber or HCS fiber with versatile link connectors and glass optical fiber with ST connectors.

The TB825 is built in S800L mechanics and DIN rails mounted. TB825 allows distribution of the optical ModuleBus up to 1000 m per cluster in star configurations.

Features and benefits

- Converts between plastic or HCS opto fiber and glass optical fiber
- DIN rail mounted
- Multi Mode functionality
- S800L mechanics

General info	
Article number	3BSE036634R1
Communication protocol	Modulebus
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.	96 mA

Environment and certification	
CE- marking	Yes
Electrical Safety	EN 61010-1, UL 61010-1, EN 61010-2-201, UL 61010-2-201
Hazardous location	C1 Div 2 cULus, C1 Zone 2 cULus, ATEX Zone 2
Marine certificates	ABS, BV, DNV-GL, LR
Temperature, Operating	0 to +55 °C (+32 to +131 °F), approvals are issued for +5 to +55 °C
Temperature, Storage	-40 to +70 °C (-40 to +158 °F)
Pollution degree	Degree 2, IEC 60664-1
Corrosion protection	ISA-S71.04: G3
Relative humidity	5 to 95 %, non-condensing
Max ambient temperature	55 °C (131 °F), for vertical mounting 40 °C (104 °F)
Protection class	IP20 according to EN60529, IEC 529
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions	
Width	85.6 mm (3.37 in.)
Height	136 mm (5.35 in.) including latch
Depth	58.5 mm (2.30 in.)
Weight	0.21 kg (0.46 lbs)

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