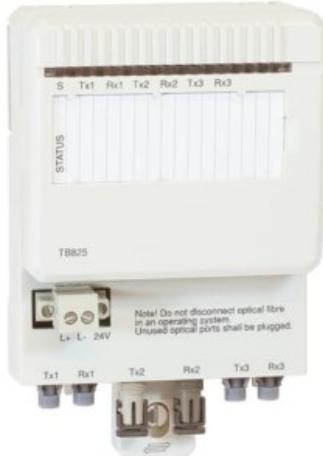


DATA SHEET

TB825 (Multi Mode)

ABB Ability™ 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 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 | EU RoHS, UAE RoHS, CN RoHS |
| 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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