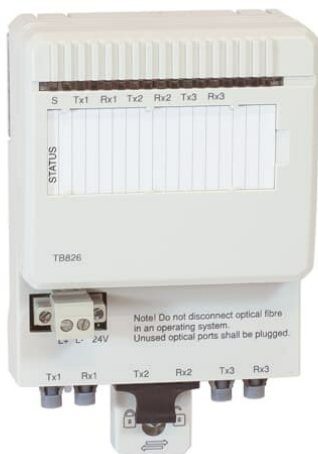


TB826 (Single Mode)

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. TB826 is a Long range Optical Media Converter for the ModuleBus. It is used to convert between plastic/opto fiber of HCS fiber with versatile link connectors and single mode field fiber with SC connector.

The TB826 is built in S800L mechanics and DIN rail mounted. TB826 allows distribution of the optical ModuleBus up to 5000 m per cluster in star configurations.

Features and benefits

- Converts between plastic or HCS opto fiber and glass optical fiber
- DIN rail mounted
- Allows distribution of optical ModuleBus up to 5000 m per cluster in star configurations
- S800L mechanics

| General info | |
|----------------------------------|--------------|
| Article number | 3BSE061637R1 |
| 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 | - |
| 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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