ABB ABB Series Service Manual

TB825

1. Description

TB825 Optical Media Converter Multi Mode 3BSE036634R1

3. Product Information

TB825 Optical Media Converter Multi Mode 3BSE036634R1

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 connetcors.

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 optp fiber and glass optical fiber

DIN rail mounted

Multi Mode functionallity

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)