ABB ABB Series Service Manual

CI801

1. Description

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 CI801 Fieldbus Communication Interface (FCI) module is a configurable communication interface that performs operations such as signal processing, gathering of supervision information, OSP handling, Hot Configuration InRun, HART pass-trough and configuration of I/O modules. The FCI connects to the controller through of the PROFIBUS-DPV1

3. Product Information

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Features and benefits

PROFIBUS DP PROFIBUS-DPV1 fieldbus interface.

Supervisory functions of I/O ModuleBus

Isolated power supply to I/O modules

OSP handling and configuration

Input power fused

Hot Configuration In Run

HART pass-through

General info

Article number 3BSE022366R1

Communication protocol PROFIBUS DP-V1

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. 140 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 85.8 mm (3.38 in.)

Height 136 mm (5.35 in.) including latch

Depth 58.5 mm (2.30 in.)

Weight 0.3 kg (0.66 lbs.)