ABB ABB Series Service Manual

CI856

1. Description

3BSE026055R3

3. Product Information

3BSE026055R3 | ABB | CI856 S100 I/O Software License 800xA

S100 I/O communication is realized in AC 800M by communication interface CI856, which is connected to the CEX-Bus through a base plate. The baseplate, TP856, houses a ribbon connector connecting to bus extender boards in S100 I/O racks and provides a simple DIN-rail mounting. Up to five S100 I/O racks can be connected to one CI856 where each I/O rack can hold up to 20 I/O boards.

The CI856 is powered by the processor unit, via the CEX-Bus, and therefore does not require any additional external power source.

Features and benefits

A key benefit with the CI856 interface is the possibility to reuse the majority of the existing I/O installation, including terminations and field wiring in existing ABB Master and Advant OCS installations.

Single connection to S100 I/O units located in up to five I/O racks

Code locking device to prevent mounting of incompatible components

Hot swap functionality

General info

Article number 3BSE026055R1

Communication protocol ABB's S100 I/O

Master or slave Master

Transmission speed -

Line redundancy No

Module redundancy No

Hot Swap Yes

Used together with HI Controller Yes

Detailed data

Max units on CEX bus 12

Connector Miniribbon (36-pin)

24 V consumption typ. typ 120 mA

Environment and certification

Temperature, Operating 0 to +55 °C (+32 to +131 °F)

Temperature, Storage -40 to +70 °C (-40 to +158 °F)

Corrosion protection G3 compliant to ISA 71.04

Protection class IP20 according to EN60529, IEC 529

CE- marking Yes

RoHS compliance EU RoHS, UAE RoHS, CN RoHS

WEEE compliance DIRECTIVE/2012/19/EU

Dimensions

Width 59 mm (2.3 in.)

Height 185 mm (7.3 in.)

Depth 127.5 mm (5.0 in.)

Weight (including base) 700 g (1.5 lbs)