

CI856

Compact Product Suite hardware selector



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	DIRECTIVE/2011/65/EU (EN 50581:2012)
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)

**solutions.abb/compactproductsuite
solutions.abb/controlsystems**

We reserve the right to make technical changes to the products or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not assume any responsibility for any errors or incomplete information in this document.

We reserve all rights to this document and the items and images it contains. The reproduction, disclosure to third parties or the use of the content of this document – including parts thereof – are prohibited without ABB's prior written permission.

Copyright© 2025 ABB All rights reserved