DATA SHEET

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	+5 to +55 °C (+41 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)

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