

# 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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