

CI860

ABB Ability™ System 800xA® hardware selector



If there is a need to have access to FF process variables in the AC 800M controller, connectivity between the HSE subnet and the controller is established with the CI860 - the Communication Interface FOUNDATION Fieldbus HSE.

Then FOUNDATION Fieldbus process data on HSE can be accessed from the IEC 61131 applications in the AC 800M controllers. For this purpose, the CI860 module maps the value and status parts of the FF signals to the IEC 61131 application and vice versa.

The CI860 is powered by the processor unit, via the CEX-Bus, and therefore does not require any additional external power source.

Features and benefits

- The CI860 can be used in redundant mode
- Up to twelve CI860 modules can be placed at one AC800 M also in redundant mode, and each of them can be connected to the same or to a separate FOUNDATION Fieldbus HSE subnet.
- The ABB FOUNDATION Fieldbus Linking Device LD800HSE/LD 800HSE EX acts as a gateway between the HSE subnet and up to four separate H1 links.

| General info | |
|----------------------------------|-------------------------|
| Article number | 3BSE032444R1 |
| Communication protocol | FOUNDATION Fieldbus HSE |
| Master or slave | Master/Slave |
| Transmission speed | 10/100 Mbit/s |
| Line redundancy | No |
| Module redundancy | Yes |
| Hot Swap | Yes |
| Used together with HI Controller | No |

| Detailed data | |
|-----------------------|----------------------|
| Max units on CEX bus | 12 |
| Connector | RJ-45 female (8-pin) |
| 24 V consumption typ. | typ 100 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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