

# CI840A

## System 800xA hardware selector



S800 I/O is a comprehensive, distributed and modular process I/O system that communicates with parent controllers and PLCs over industry-standard field buses. The CI840 Fieldbus Communication Interface (FCI) module is a configurable communication interface that performs operations such as signal processing, gathering of various supervision information, OSP handling, Hot Configuration In Run, HART pass-through and configuration of I/O modules. CI840 is designed for redundant applications. The FCI connects to the controller by way of the PROFIBUS-DPV1 fieldbus. Module termination units to use, TU846 with redundant I/O and TU847 with non-redundant I/O.

### Features and benefits

- PROFIBUS DP PROFIBUS-DPV1 fieldbus interface.
- Supervisory functions of I/O ModuleBus
- Isolated power supply to I/O modules
- OSP handling and configuration
- Input power fused
- Hot Configuration In Run
- HART pass-through

#### General info

Article number	3BSE041882R1
Protocol	PROFIBUS DP-V1
Master or slave	Slave
Line redundancy	Yes
Module redundancy	Yes
Hot Swap	Yes
Used together with HI Controller	Yes

#### Detailed data

24 V consumption typ.	190 mA
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**Environment and certification**

Temperature, Operating	0 to +55 °C
Temperature, Storage	-25 to +70 °C
Pollution degree	Degree 2, IEC 60664-1
Corrosion protection	ISA-S71.04: G3
Relative humidity	5 to 95 % no condensation
Protection class	IP20 according to EN60529, IEC 529
CE-marking	Yes
Electrical Safety	IEC 61131-2, UL 61010-1, UL 61010-2-201
Hazardous location	C1 Div 2 cULus, C1 Zone 2 cULus, ATEX Zone 2
Marine certificates	ABS, BV, DNV-GL, LR
RoHS compliance	DIRECTIVE/2011/65/EU (EN 50581:2012)
WEEE compliance	DIRECTIVE/2012/19/EU

**Dimensions**

Height	119 mm (4.69 in.)
Width	54 mm (2.13 in.)
Depth	96 mm (3.78 in.)
Weight	0.2 kg (0.44 lbs.)

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