

CI840A

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

Detailed data	
24V consumption typ.	190 mA

Environmental 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 508
Hazardous location	C1 Div 2 cULus, C1 Zone 2 cULus, ATEX Zone 2
Marine certificates	ABS, BV, DNV-GL, LR, RS, CCS
RoHS compliance	EN 50581:2012

Dimensions

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

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