CI840A
ABB Ability™ 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
Communication 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

Environment and certification

CE- marking	Yes
Electrical Safety	EN 61010-1, UL 61010-1, EN 61010-2-201, UL 61010-2-201
Hazardous location	C1 Div 2 cULus, C1 Zone 2 cULus, ATEX Zone 2
Marine certificates	ABS, BV ,DNV-GL, LR
Temperature, Operating	0 to +55 °C (+32 to +131 °F), approvals are issued for +5 to +55 °C
Temperature, Storage	-40 to +70 °C (-40 to +158 °F)
Pollution degree	Degree 2, IEC 60664-1
Corrosion protection	ISA-S71.04: G3
Relative humidity	5 to 95 %, non-condensing
Max ambient temperature	55 °C (131 °F), for vertical mounting 40 °C (104 °F)
Protection class	IP20 according to EN60529, IEC 529
RoHS compliance	EU RoHS, UAE RoHS, CN RoHS
WEEE compliance	DIRECTIVE/2012/19/EU

Dimensions

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

ABB

—
solutions.abb/800xA
solutions.abb/controlsystems

—