

DATA SHEET

CI801

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 Cl801 Fieldbus Communication Interface (FCI) module is a configurable communication interface that performs operations such as signal processing, gathering of supervision information, OSP handling, Hot Configuration InRun, HART pass-trough and configuration of I/O modules. The FCI connects to the controller through of the PROFIBUS-DPV1 fieldbus.

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	3BSE022366R1	
Communication protocol	PROFIBUS DP-V1	
Master or slave	Slave	
Line redundancy	No	
Module redundancy	No	
Hot Swap	No	
Used together with HI Controller	Yes	

Detailed data	
24 V consumption typ.	140 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	DIRECTIVE/2011/65/EU (EN 50581:2012)	
WEEE compliance	DIRECTIVE/2012/19/EU	

Dimensions	
Width	85.8 mm (3.38 in.)
Height	136 mm (5.35 in.) including latch
Depth	58.5 mm (2.30 in.)
Weight	0.3 kg (0.66 lbs.)



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