DATA SHEET

Communications - S800 I/O Communication interfaces
Freelance hardware selector

The S800 I/O family is a highly flexible and modular process I/O system that communicates with parent controllers and PLCs over industry standard Fieldbus technology, permitting a virtually infinite number of installation and communication arrangements for any application:

• Small to large
• Step-by-step expansion
• Easy mounting on a DIN-rail

Thanks to its broad connectivity it fits a wide range of process controllers and PLCs from ABB and others. By permitting installation in the field, close to sensors and actuators, S800 I/O reduces the installation cost by reducing the cost of cabling. And thanks to features such as "hot swap" of modules, online reconfiguration, and redundancy options, it contributes to keep production – and thereby profits – up.

For updated information regarding System 800xA please visit our 800xA Hardware Selector. In the HW-selector, you can compare different communication modules, AC 800M controllers, S800 I/O modules, S900 I/O modules, Select I/O modules, module termination units, networks equipment, panels, power supplies, and voters, and also print your PDF files or save an outline of all modules in the product area.

Below is an outline of the range of different S800 I/O communication interfaces available.

Specific feature [1]	CI801	CI840A	TU846	TU847
General info				
Article number	3BSE022366R1	3BSE041882R1	3BSE022460R1	3BSE022462R1
Communication protocol	PROFIBUS DP-V1			
Master or slave	Slave		N/A	
Line redundancy	No	Yes		
Module redundancy	No	Yes		
Hot Swap	No	Yes	No	
Used together with HI Controller	Yes			
Type			Redundant CI840/CI840A, Redundant I/O	Redundant CI840/CI840A, Single I/O
Power input			24 V d.c. (19.2 - 30 V)	
Mounting			Vertical or Horizontal	
Dimensions				
Width	85.8 mm (3.38 in.)	54 mm (2.13 in.)	124 mm (4.88")	124 mm (4.88")
Height	136 mm (5.35 in.) including latch	119 mm (4.69 in.)	186 mm (7.32") including latch	
Depth	58.5 mm (2.30 in.)	96 mm (3.78 in.)	47 mm (1.85")	47 mm (1.85")
Weight	0.3 kg (0.66 lbs.)	0.2 kg (0.44 lbs.)	0.5 kg (1.1 lbs.)	
Environment and certification				
RoHS compliance	EU RoHS, UAE RoHS, CN RoHS			
WEEE compliance	DIRECTIVE/2012/19/EU			

[1] For detailed information on each module, please visit: **freelancehardwareselector.automation.abb.com**

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