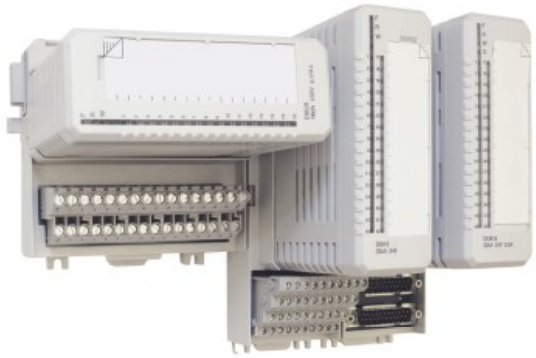
DATA SHEET

I/O Systems - S800 I/O

ABB Ability™ System 800xA® hardware selector



S800 I/O is a comprehensive, distributed, and modular process I/O system that communicates with parent controllers over industry-standard fieldbus technology and therefore can be used with a wide range of process controllers from ABB and other vendors. To download a PDF OUTLINE of all modules in this section, or to COMPARE several items, use the options in the upper-right corner of the page.

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 keeping 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, network 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 modules available.






Specific feature [1]	DO815	DO818	DO820	DO821
General info				
Article number	3BSE013258R1	3BSE069053R1	3BSE008514R1	3BSE013250R1
Type	Digital Output			
Signal specification	24 V d.c. (10 - 32 V d.c.), 2A	24 V d.c. (12 - 32 V d.c.), 0.5 A	230 V a.c. / d.c. (5 - 250 V a.c./d.c.), 3 A	230 V a.c./d.c. (5-250 V a.c./d.c.), 3 A
Number of channels	8	32	8	
Signal type	High side driver, current limiting	Current sourcing, current limiting	Relay (NO)	Relay (NC)
HART	No			
SOE	No			
Redundancy	No			
High integrity	No			
Intrinsic safety	No			
Mechanics	S800			
Dimensions				
Width	45 mm			
Depth	102 mm, 111 mm including connector			
Height	119 mm			
Weight	0.2 kg	0.18 kg	0.23 kg	
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: **800xahardwareselector.automation.abb.com**