

Communications - S100 I/O Communication interfaces

Compact Product Suite hardware selector

S100 I/O is a rack based I/O system used in the Advant Master and Advant MOD 300 installed base. The S100 I/O Communications hardware is Ethernet-based and makes it possible to connect to the installed S100 I/O when evolving Advant Controller 400 Series controllers to AC 800M controller.

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 S100 I/O communication interfaces available.



| Specific feature ¹ | TC810 | TC811 |
|--------------------------------------|---|---|
| General info | | |
| Article number | 3BSE076220R1 | 3BSE078714R1 |
| Communication protocol | Ethernet | |
| Type | Ethernet Adapter for copper media | Ethernet Adapter for fiber optic media |
| HART | N/A | |
| SOE | N/A | |
| Redundancy | Yes | |
| Hot swap | Yes | |
| High integrity | N/A | |
| Intrinsic safety | N/A | |
| Mechanics | Select I/O | |
| Type of external output | 100 Base-TX with RJ 45 (8P8C) connector | 100 BASE-FX with LC connector |
| Number of external ports | 2 | |
| Type of connecting cable | CAT 5, WG 22 or better | 9/125 μm single mode fiber (1310 nm nominal wavelength) |
| Maximum length of cable | 100 m | 27.5 km |
| Dimensions | | |
| Width | 25 mm | 24.5 mm |
| Depth | 76.3 mm | 101.3 mm |
| Height | 110 mm | |
| Weight (including base) | 105 g | 161 g |
| Environment and certification | | |
| RoHS compliance | EU RoHS, UAE RoHS, CN RoHS | |
| WEEE compliance | EU | |

¹ For detailed information on each module, please visit: compacthardwareselector.automation.abb.com

Accessories



| Specific feature ¹ | TL810K01 | TL811K01 |
|--------------------------------------|--------------------------------------|-----------------------------|
| General info | | |
| Article number | 3BSE088170R1 | 3BSE088171R1 |
| Type | Empty slot protector for FCI | Empty slot protector for EA |
| Hot swap | Yes | |
| Mechanics | Select I/O | |
| Dimensions | | |
| Width | 134.5 mm (5.30 in.) | 109.5 mm (4.31 in.) |
| Depth | 38.5 mm (1.52 in.) | |
| Height | 29 mm (1.14 in.) | 24.5 mm (0.96 in.) |
| Weight (including base) | 35.5 g (0.07 lbs) | 23.8 g (0.05 lbs) |
| Environment and certification | | |
| RoHS compliance | DIRECTIVE/2011/65/EU (EN 50581:2012) | |
| WEEE compliance | DIRECTIVE/2012/19/EU | |

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