Industrial^{IT}
S800L I/O modules

Overview

Features and Benefits

- Only 59 mm depth installation. Robust, monolitic design.
- Connect directly to the AC 800M or via a cost-efficient fiber optic extension.
- With the GSD file, S800L I/O can be used with any control system.
- An optional terminal strip, provides all needed terminals in the 16 channel case.
- Fully compatible with the comprehensive S800 I/O module assortment.

Cost-effective configuration, distribution and communication

With its cost-effective design and just 59 mm depth installation, S800L I/O is the perfect choice for PLC applications. Robust mechanics, one-piece handling, easy mounting and smart connections save your time in all phases of installation.

Configuration with the AC 800M controller is as easy as can be, since all necessary information is preinstalled with the Compact Control Builder and in System 800xA. And, with the GSD file, S800L I/O can be used with any control system. Engineering couldn't be more relaxed.

Furthermore, as S800L I/O is a subset of the comprehensive S800 I/O system with soon 10 million channels installed globally, you enjoy the same full-featured signal interfacing and high availability.

Distribute the S800L I/O whichever way you like. Connect directly to the AC 800M controller or distribute via the cost-effective fiber optic extension. Of course, you can also distribute via a PROFIBUS network – with all the benefits that come with it.

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Choose between binary inputs up to 230V, solid-state outputs with short-circuit protection or relay outputs and analogs with 0.1 % accuracy.

If you don't find what you need in signal interfacing, simply combine all the functionality of the high-featured S800 I/O with your S800L I/O. Just add an S800 I/O module with inbuilt Ex barriers, with local time stamping, when you need the hot swapping or any other function of a module from our comprehensive range for special applications.
It all fits together.

Sixteen terminals make wiring easy, and with the optional terminal strip, you get all terminals needed on the module in the 16-channel case. And since all connectors are removable, you never need re-wire.

S800 I/O is a comprehensive, distributed and modular process I/O system that communicates with parent controllers over industry-standard field buses. Thanks to its broad connectivity, it fits a wide range of process controllers from ABB and other suppliers. By permitting installation in the field, close to sensors and actuators, S800 I/O reduces installation costs by cutting the cost of cabling. And thanks to features such as "hot swap" of modules, "on-line" reconfiguration and redundancy options, it contributes to keeping production – and thereby profits – up.

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www.abb.com/controlsystems

Communication interfaces	
CI801	For PROFIBUS-DP/V1. Hot Configuration in Run & HART® pass-through. GSD-file provided.
S800L I/O modules	
DI801	16 channels, 1 group, 24 V d.c., current sink.
DI802	8 channels, 110 V d.c., 120 V a.c.
DI803	8 channels, 220 V d.c., 230 V a.c.
DO801	16 channels, common return, 24 V, max 0.5 A d.c., transistor, current source, short-circuit-proof.
DO802	8 channels, 5-250 V, max 2 A a.c./d.c., relay (N.O.).
AI801	8 channels, single-ended, 0(4)-20 mA, 12 bits
AO801	8 channels, common return, 0(4)-20 mA, 12 bits, load: <750 Ω.
Termination unit	
TU805	Termination unit for 2/3 -wire connection to DI801 and DO801

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