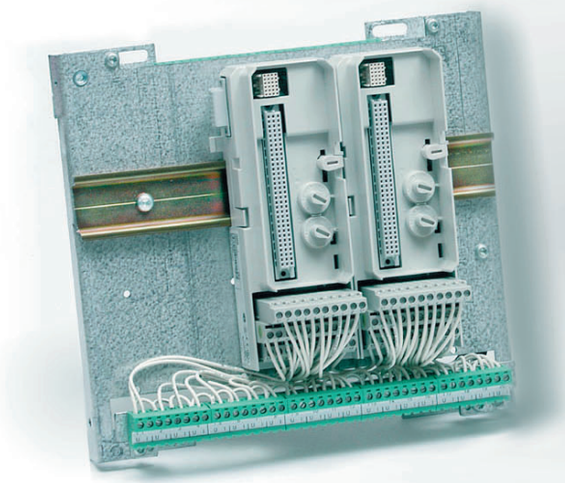
Industrial IT System 800xA
Advant Master
S400 I/O to S800 I/O Evolution

Data Sheet



Left: An example of an S400 I/O to S800 I/O termination unit. To the left of the I/O module termination units there is space for an optional fieldbus communication module.

ABB's S400 I/O system has been around since 1986 and created a reputation for itself world-wide as a capable and reliable I/O system. But these days, spares are getting ever harder to come by, and the system does not support the industry-standard field buses of today.

Consequently ABB has developed a replacement solution, based on its current – and future – I/O system S800, which is designed to provide expanded functionality, greater flexibility, higher reliability, and improved self-diagnostics.

More specific benefits available when upgrading from S400 I/O are:

- Retain existing field wiring, right up to their plug-in connectors.
- Unscrew the old unit and put the new one in its place! It will fit perfectly, down to the existing screw holes, DIN rail and connectors.
- Pretested functionality, from the connector sockets in.
- Shortest possible downtime. Just plug in and produce!
- Enables HART® fieldbus support and thereby management of intelligent field devices from a central point.

IndustrialIT enabled

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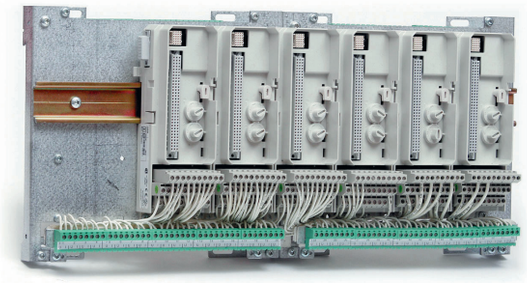

An S400 I/O to S800 I/O termination unit, replacing two S400 I/O units, one basic and one expansion.

Type	Replaces the following S400 I/O units
TU401	DSAX 452 unipolar
TU402	DSDX 452/4/L
TU403	DSDI 452/4
TU404	DSDI 452/4 + DSDI 451/3
TU405	DSDX 452/4/L + DSDI 451/3
TU406	DSDI 452/4 + DSDX 451/3
TU407	DSDX 452/4/L + DSDX 451/3/L
See product documentation for more details.	

Table showing how S400 I/O to S800 I/O termination units map onto existing S400 I/O installations.

The evolution units consist of plate-mounted S800 I/O modules with exactly the same footprint and mounting alternatives (corner screws or DIN rails) as those of the old S400 units. And of plug connector sockets and intermediate wiring that match up to the existing field wiring and its connectors perfectly.

So, upgrading to S800 I/O is essentially as easy as removing the existing S400 I/O station and putting the new I/O assembly in its place.

The reward is a more capable, adaptable and maintenance-friendly I/O system that will provide reliable service far into the future. Thereby contributing as much as an I/O system ever can to higher output and a better financial return.

Contact a nearby ABB representative for more details!

This is one of many solutions by ABB for connectivity, upgrade, and evolution toward the latest ABB technology. They are all designed to protect and leverage existing control system investments and enable evolution step by step as the needs arise.

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