AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

YPQ110A 3ASD573001A5

Extended Remote Input Output Board

TYPE	REFERENCE	FAMILY	SCOPE
Extended Remote Input Output Board	**YPQ110A**	**APC / DCV 700**	**Catalog technical data**

ABB YPQ110A 3ASD573001A5 extends the application controller with digital and analog input/output channels. It connects through the parallel bus for local expansion or a low-speed serial bus for remote I/O, bringing several signal types together on one board.

01 DOCUMENTED PRODUCT REFERENCE

Digital input channels	8 optically isolated
Digital input control voltage	24 V DC or 110 V AC
Digital input impedance	3 kOhm at 24 V DC; 13 kOhm at 110 V AC
Digital input hardware delay	2 ms
Digital input filter	0.5 to 128 ms; 0.5 ms steps
Relay outputs	6 normally-open; 230 V AC / 2 A maximum; 20 ms minimum switching
Transistor outputs	2 isolated; 60 V DC / 100 mA maximum; 100 us minimum switching
Analog input channels	4 differential; 12 bits plus sign

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

Analog input ranges	-10 to +10 V or -20 to +20 mA
Analog input impedance	400 kOhm
Analog input accuracy	±0.1% at ±10 V; ±0.4% at ±1 V
Analog input filtering	Hardware: 5 ms; digital: 5 ms to 32 s in 1 ms steps
Analog output channels and ranges	2; -10 to +10 V and -10 to +10 mA
Analog output resolution and accuracy	12 bits plus sign; ±0.1%
Expansion capacity	Parallel bus: maximum 4 boards; remote serial bus: maximum 8 nodes

03 APPLICATION AND CONFIGURATION

- YPQ110A and complete 3ASD573001A5 marking
- Local parallel or remote serial connection
- Correct relay, transistor and analog circuits
- Required scaling, filters and acceptance checks
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB DCV 700 Catalogue; Optional I/O Connections, page 19

Exact YPQ110A section on catalogue pages 8 and 19. YPH107A data excluded. Relay values follow this catalogue edition; differing older manual values are not mixed. YPQ111A upgrade functions are not assigned to YPQ110A.

Independently prepared Amikon reference summary, not an original manufacturer manual. Ratings apply only under their documented conditions. Confirm the supplied marking and approved configuration before selection, installation or replacement.

AMIKON PRODUCT SUPPORT

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