AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

PDB-01

Robotics Power Distribution Board

TYPE	REFERENCE	FAMILY	SCOPE
Robotics Power Distribution Board	**PDB-01**	**IRC5P**	**Scoped X18 reference data**

ABB PDB-01, article 3HNA006147-001, is a power distribution board for the IRC5P controller. It provides the cabinet's customer 24 V I/O connection at X18, while separate board indications identify the associated supply branches and status information.

01 DOCUMENTED PRODUCT REFERENCE

X18 customer output voltage	24.0 to 26.4 V DC
X18 output ripple	0.2 V maximum
X18 total customer load	5 A maximum
X18 per-channel customer load	3 A maximum
X18 current limit	10 A maximum, ±20%

Manufacturer data summarized for the identified model and stated conditions.

02 TECHNICAL DATA

X18 short-circuit current	13 A maximum
X18 galvanic isolation	Not separated from other controller voltages
X18 terminal positions	12, numbered 1 to 12
X18 branch fuses	3 A, as shown in Figure63
PDB status indicator labels	AC, TEMP, PC, SYS, I/O, FAN, BRAKE, ULTRA CAP, HV

03 APPLICATION AND CONFIGURATION

- PDB-01 and article 3HNA006147-001
- Correct IRC5P cabinet and connector arrangement
- X18 total and individual customer loads
- Qualified service and upgrade-scope checks
- Use the applicable manufacturer safety and installation instructions.

04 OFFICIAL DOCUMENTATION

ABB IRC5P Product Manual, 3HNA009834-001 en Rev.06, section5.8.6

Ten supported electrical/interface entries for PDB-01 X18, not whole-board aggregate ratings. ABB original manual p120 is publicly archived; product identity and upgrade scope corroborated by ABB product-details page1. No third-party numerical claims used.

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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