

SYSTEM 57 POWER ENTRY

Honeywell 05701-A-0325

DC Input Card for System 57 rack power distribution

Product overview

The 05701-A-0325 brings an external nominal 24 V DC supply into a System 57 sub-rack. It routes protected power through the Engineering Card and rack backplane, supports a separate auxiliary battery input, and provides a fused output for approved ancillary loads.

NOMINAL INPUT	24 V DC
FUSED OUTPUT	FS1, 10 A
BACKPLANE LIMIT	8 A maximum



Key product data

Manufacturer	Honeywell
Model	05701-A-0325
Product family	System 57
Product type	DC Input Card
Supply connection	Two-part TB1 terminal block
Supply architecture	Diode-isolated primary and auxiliary inputs
Protection	Fuse, reverse-polarity protection and RFI filtering
Engineering interface	Six-terminal TB2 connection for supported plug-in options

Lifecycle

System 57 has reached end of life. Honeywell identifies Touchpoint Plus and Touchpoint Pro as system-level migration paths, not drop-in replacements for this card.

TB1 power and earth connections

TB1	Function
12	+24 V input - site PSU 1
11	0 V input - site PSU 1
10	+24 V input - site PSU 2, or +24 V through output from PSU 1
9	0 V input - site PSU 2, or 0 V through output from PSU 1
8	+24 V input - auxiliary supply 1 / standby battery
7	0 V input - auxiliary supply 1 / standby battery
6	+24 V input - auxiliary supply 2, or +24 V through output from AUX 1
5	0 V input - auxiliary supply 2, or 0 V through output from AUX 1
4	Fused +24 V output to approved ancillary equipment
3	Fused 0 V output to approved ancillary equipment
2	System earth
1	System earth

Supply behavior

The two power paths are diode-isolated. Current is drawn from the source with the highest voltage, and sharing can occur under some conditions. Verify that supplies are suitable for parallel connection.

Installation and protection review

1. Calculate the load Size the site power supply from the complete rack and field-device power budget before wiring the card.	2. Respect the backplane limit Keep current on the System 57 backplane at or below 8 A. High-card-count installations may require distributed power.
3. Coordinate the fused output FS1 is rated 10 A, but the connected ancillary circuit and wiring must also meet the approved installation limits.	4. Bond the system earth Use the designated earth terminals and do not energize the rack before protective-earth continuity is verified.
5. Confirm TB2 option use TB2 functions depend on the Engineering Card plug-in option, including supported Modbus, event printing or alarm update hardware.	6. Preserve service evidence Record nameplates, terminal wiring, supply ratings, fuse details and rack loading before removing a legacy card.

High-card-count 5704 installations

When more than eight 5704 catalytic cards are installed, Honeywell recommends powering the control cards through their associated Quad Relay Interface Cards and using the DC Input Card only for the Engineering Card. This avoids excessive current through the rack backplane.

Physical reference

The official System 57 manuals do not provide product-level shipping dimensions or weight for this card. The following values come from the approved Apter warehouse image record for identification and logistics only.

Dimensions	130 x 118 x 18 mm
Weight	150 g

Lifecycle, migration and inquiry

CURRENT STATUS	System 57 has reached end of life. Honeywell states that spare parts are no longer available for many critical components.
MIGRATION DIRECTION	Honeywell's RMU program identifies Touchpoint Plus and Touchpoint Pro as current controller platforms for a system-level migration.
NO DROP-IN CLAIM	The reviewed official documents do not designate a direct card-for-card replacement for 05701-A-0325.
RFQ DETAILS	Provide the complete model, rack type, supply ratings, current load, TB1/TB2 wiring, fuse arrangement, quantity, condition requirement and delivery destination.

Official Honeywell references

- MAN0443 Issue 14: System 57 5701 Control System Operating Instructions
- MAN0448: System 57 5704 Control System Operating Instructions
- Honeywell Industrial Fixed Product Guide: System 57 spares listing
- Honeywell Product Notice 2024021: System 57 to Touchpoint RMU program

REQUEST A QUOTE

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Send the label photo and installed-rack details for compatibility and sourcing review.

