Honeywell 51196654-100

10-Slot Power Supply / Exact identity and technical profile

This reference isolates the exact published characteristics and engineering boundary of Honeywell 51196654-100 without borrowing values from a neighboring model.

Exact part	51196654-100
Hardware class	Enhanced PFC power supply
Node application	10-slot
Console application	Classic console and Micro
Peripheral power	J8, J9 and J10 edge connections
Connector feature	Wider enhanced edge connector

TECHNICAL MARKER

10-slot node supply

TECHNICAL MARKER

Enhanced PFC design

TECHNICAL MARKER

Peripheral-power edge connector

TECHNICAL MARKER

Classic-console / Micro application

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read 51196654-100 from the installed label and procurement record
Function evidence	Confirm the published 10-slot power supply role in the TDC 3000 10-Slot Node Hardware system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept 51196654-100 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented 51196654-100 position requires separate engineering approval.

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10-Slot Power Supply / Published characteristics

This matrix groups the published 51196654-100 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact 10-slot power supply record.

Exact part	51196654-100
Hardware class	Enhanced PFC power supply
Node application	10-slot
Console application	Classic console and Micro
Peripheral power	J8, J9 and J10 edge connections
Connector feature	Wider enhanced edge connector
Earlier supply	51400712-200
Modified service kits	51201436-300 or 51201436-400 as applicable
Field modification	Not permitted
Commissioning basis	Chassis fit, AC input and rail verification

INTERPRETATION

Use every 51196654-100 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make 51196654-100 data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Honeywell suffix cannot fill a missing 51196654-100 parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

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10-Slot Power Supply / System role and data flow

10-slot classic console

Restores the enhanced node supply using the approved power cable.

Micro TDC 3000 node

Provides the documented 10-slot enhanced supply arrangement.

Peripheral-powered node

Carries the added peripheral-power traces on the edge connector.

Older chassis service

Uses an approved pre-modified kit when the chassis cannot accept the wider connector.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	51196654-100 performs its published 10-slot power supply role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to 51196654-100
Published action	The documented 10-slot power supply function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each 51196654-100 use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

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10-Slot Power Supply / Engineering decisions

SUPPORTED IDENTITY

51196654-100

PUBLISHED FUNCTION

10-Slot Power Supply

SYSTEM CONTEXT

TDC 3000 10-Slot Node Hardware

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

51196654-100: which node size is documented?

Honeywell lists 51196654-100 for 10-slot node applications.

51196654-100: which earlier supply does it replace?

The resource-manual note identifies 51196654-100 as the replacement for 51400712-200.

51196654-100: what must be checked before removal?

Record chassis type, AC rating, power cable, node loading and the installed connector arrangement.

51196654-100: what is inspected before energization?

Check connector fit, cable identity, protective earth, supply seating and the absence of damaged edge contacts.

51196654-100: what changed on the enhanced power-supply edge connector?

The enhanced supply has a wider edge connector with additional traces for peripheral power at J8, J9 and J10.

51196654-100: can an incompatible connector be modified in the field?

No. Honeywell states that these supplies are not to be modified in the field; use the approved modified replacement kit.

51196654-100: which applications use the supply?

The service table lists 10-slot classic-console and Micro configurations with their approved cable arrangements.

51196654-100: what completes commissioning?

Verify all required dc rails, peripheral power, node start-up diagnostics and the restored process interface.

Decision closeout

Close the 51196654-100 technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The 51196654-100 decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

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10-Slot Power Supply / Evidence and support

Exact product	Honeywell 51196654-100
Technical class	10-Slot Power Supply
Platform	TDC 3000 10-Slot Node Hardware
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

Honeywell 51401583-200 Network Gateway Interface Assembly	View Honeywell 51401583-200 Network Gateway Interface Assembly page
Honeywell CC-TAID11 Redundant Analog Input IOTA	View Honeywell CC-TAID11 Redundant Analog Input IOTA page

MANUFACTURER EVIDENCE RECORD

Honeywell Experion PKS / TDC 3000 Customer Resource Manual

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Send the exact model, quantity, destination and requested condition for a quotation.