

APTER POWER ENGINEERING REFERENCE

8C-TDODA1

Series 8 Digital Output IOTA

The 8C-TDODA1 is the coated nine-inch nonredundant IOTA that carries the 8C-PDODA1 module, terminates thirty-two 24 Vdc source outputs and organizes their four fuse-protected banks.

Parameter	Technical value
Manufacturer	Honeywell
Product model	8C-TDODA1
Part number	51307149-175
System family	Experion Series 8 I/O
Document	Product Technical Reference
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

One verified model, one engineered configuration path.

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+86 180 3023 5313
- EMAIL

sales13@apterpower.com
- WEBSITE

www.apterpower.com



SCAN FOR PRODUCT & QUOTE

8C-TDODA1

1. Product Identity and System Role

The 8C-TDODA1 is the coated nine-inch nonredundant IOTA that carries the 8C-PDODA1 module, terminates thirty-two 24 Vdc source outputs and organizes their four fuse-protected banks.

System role

- Terminates field wiring for the PDODA1 output module
- Distributes bussed power across output channel groups
- Provides field-side fuse grouping
- Forms the nonredundant carrier and connection interface

Matched components

- 8C-PDODA1 output module
- 24 Vdc user field supply
- Nine-inch Series 8 mounting position
- Field terminal and fuse accessories

2. Technical Specifications

Parameter	Technical value
IOTA model	8C-TDODA1
Part number	51307149-175
Arrangement	Nonredundant
Coating	Conformally coated
Width	9 inch
Compatible module	8C-PDODA1
Output channels	32
Voltage class	24 Vdc
Output type	Source
Fuse groups	4; one fuse per 8 channels
Country	USA
HS code	8537101190

3. Functions, Applications and Components

Core functions

- Terminates field wiring for the PDODA1 output module
- Distributes bussed power across output channel groups
- Provides field-side fuse grouping
- Forms the nonredundant carrier and connection interface

Industrial applications

- Nonredundant solenoid-output panels
- Motor starter marshalling
- 24 Vdc relay-output cabinets
- Compact Series 8 skid I/O

Compatible system components

- 8C-PDODA1 output module
- 24 Vdc user field supply
- Nine-inch Series 8 mounting position
- Field terminal and fuse accessories

4. Engineering Precautions and Source

Product precautions

- Install only in a nonredundant PDODA1 arrangement.
- Label the four eight-channel fuse banks.
- Verify bus-power polarity before module insertion.
- Torque and inspect all field terminals before load testing.

Manufacturer source

Honeywell Series 8 Controller and I/O Specification
S803-150-110

RETURN-TO-SERVICE CHECK

Confirm model 8C-TDODA1, cabinet wiring, control-system channel assignment and the intended field response before releasing the equipment for production.