

MODEL-SPECIFIC TECHNICAL REFERENCE

Honeywell 8C-TDIL01 51306856-175 Series 8 Digital Input SOE IOTA

8C-TDIL01 51306856-175 is a Honeywell Series 8 coated digital-input sequence-of-events IOTA for 24 V DC signals. The -175 PWA is the nonredundant field-termination assembly used with the matching DI SOE I/O module.

Officially documented configuration

Model	8C-TDIL01
PWA number	51306856-175
Hardware family	Series 8 I/O
Assembly type	Digital Input SOE IOTA
Signal class	24 V DC digital input
Event function	Sequence of events
Board coating	Coated 8C configuration
Redundancy	Nonredundant IOTA
Field role	Input termination and module interface
Host system	Experion Process Knowledge System
Compatibility basis	Matching DI SOE module and PWA revision
Replacement control	Terminal map and event-timestamp verification

INSTALLATION AND PROCUREMENT REFERENCE

8C-TDIL01 51306856-175 application guidance

Honeywell 8C-TDIL01 51306856-175 is the coated Series 8 digital-input sequence-of-events IOTA identified by the exact PWA number. It provides the nonredundant field termination and module interface for 24 V DC DI SOE service.

The assembly brings discrete process contacts into the matching Series 8 input electronics, where transitions can be incorporated into control and sequence-of-events records. Channel wiring, commoning, timestamp behavior, and Experion database assignment are defined by the complete I/O configuration.

Selection must retain the coated 8C identity, -175 PWA revision, nonredundant architecture, matching DI module, terminal map, field supply, and cabinet carrier. Do not substitute the similar 8U or -176 configuration without an approved compatibility check.

High-risk technical note

For 8C-TDIL01 51306856-175, verify coated/nonredundant identity, 24 V commoning, DI SOE module pairing, PWA revision, and timestamp validation before moving field wires.

Manufacturer source record

Manufacturer reference: Honeywell Series 8 Digital Input 24 VDC and IOTA Specification



Request a quotation for 8C-TDIL01 51306856-175

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Include the complete nameplate, quantity, destination, and required delivery date.

Prepared from the manufacturer references listed above. Verify the latest manufacturer revision and complete installed configuration before replacement or commissioning.