

INDUSTRIAL AUTOMATION PRODUCT

FC-TSDI-16UNI

Sixteen-Channel Universal Safe Digital Input FTA

Honeywell FC-TSDI-16UNI is a 16-channel universal safe digital input FTA. It connects two groups of eight field input circuits to the matched Safety Manager input module.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	Safety Manager
Part number	FC-TSDI-16UNI
Country	USA
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Honeywell product record.

PARAMETER	TECHNICAL VALUE
Input channels	16; 2 groups of 8
Maximum voltage category 3	50 Vdc
Maximum voltage category 2	150 Vdc
Fuse rating	250 mA
Maximum output current per fuse	175 mA
Terminal wire size	2.5 mm ² maximum
Terminal torque	0.5 Nm
Approvals	CE; TUV; UL; CSA; FM

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System Role and Architecture

Honeywell FC-TSDI-16UNI is a 16-channel universal safe digital input FTA. It connects two groups of eight field input circuits to the matched Safety Manager input module.

FUNCTION 1

Terminates universal safe digital inputs

FUNCTION 2

Separates field circuits into protected groups

FUNCTION 3

Provides fused field connections

FUNCTION 4

Connects to the input module through an SICC cable

Matched system components

- Matched safe digital input module
- SICC-0001/Lx cable
- Fused field input circuits
- DIN-rail cabinet

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Applications and Engineering Context

Emergency stop inputs

Terminates universal safe digital inputs

Fire-and-gas detector contacts

Separates field circuits into protected groups

Burner permissive circuits

Provides fused field connections

Safety limit-switch monitoring

Connects to the input module through an SICC cable

TECHNICAL NOTE

Confirm the voltage category and documented fuse arrangement, apply the specified terminal torque and prove both protected channel groups.

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Engineering Precautions

1

Verify the complete FC-TSDI-16UNI marking and the assigned Safety Manager position before field work.

2

Isolate the applicable power, network and field energy before disconnecting FC-TSDI-16UNI.

3

Use ESD controls and protect the keyed connectors of FC-TSDI-16UNI during handling.

4

Record the installed wiring, jumpers, node or channel assignment before replacement.

5

Confirm Matched safe digital input module and SICCC-0001/Lx cable against the approved system configuration.

6

Restore FC-TSDI-16UNI under controlled conditions and review the product-specific diagnostics.

7

Complete a functional test for emergency stop inputs before production release.

MANUFACTURER SOURCE RECORD

Honeywell Safety Manager Hardware Reference

EP-SM.MAN.6284 Issue 2.1

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