01 / Identity and job scope

HONEYWELL

FTA-T-20

Relay termination assembly

Product role

Honeywell FTA-T-20 is an eight-channel relay field termination assembly with potential-free changeover contacts and individual relay-state indication.

FSC output	>	FTA-T-20	>	Field circuit
SIC connection		Eight relays		NO / NC contacts

Applicability

The listed values apply to the FTA-T-20 assembly. Component-level relay ratings do not override assembly limits; the connected FSC output and field load require separate matching.

Hardware and configuration

FTA-T-20 converts the connected FSC output signals into eight potential-free relay contacts. Each channel has normally open and normally closed connections, allowing the field circuit to use the required changeover contact. The assembly is a non-fail-safe relay termination interface; it does not independently establish a safety function.

Planning basis

This Apter Power guide supports identification and engineering planning. Apply the complete manufacturer and machine-builder procedures for the actual installation.

02 / Configuration and interface readiness

Item	Configuration relationship
Channels	8
Output function	Non-fail-safe relay contacts
Contact arrangement	Potential-free NO / NC changeover
Input voltage	24 Vdc nominal; 31 Vdc maximum
Cut-in voltage	19 Vdc
Relay input current	27 mA typical at 24 Vdc
Output current	5 A maximum at assembly level

Technical context

Each relay has an energization LED, and the common contact is protected by a 5 AT slow-blow fuse. The assembly output limit is 5 A, with maximum switching voltage of 250 Vac or 300 Vdc. Switching capacity is load-dependent: 1250 VA for AC and 150 W at 30 Vdc for the stated DC condition; the DC load curve must be respected.

Which contact choices are available on FTA-T-20?

Each channel provides normally open and normally closed connections around its common contact.

What relay input voltage applies to FTA-T-20?

The nominal input is 24 Vdc, with a 19 Vdc cut-in threshold and 31 Vdc maximum.

03 / Installation and connection decisions

Identify the complete assembly

Match FTA-T-20 and the installed output interface before disconnecting wiring.

Isolate all contact supplies

Potential-free contacts may carry separately powered field circuits; isolate each applicable source.

Respect assembly ratings

Use the 5 A assembly limit and the AC or DC load conditions, including the DC switching curve.

Preserve fuse selection

Use the specified 5 AT slow-blow common-contact fuse; investigate a blown fuse before replacement.

Installation context

A single SIC connector carries the system-side signals, while screw terminals provide field connections. The relay input is nominally 24 Vdc, with 19 Vdc cut-in and 31 Vdc maximum. Mounting uses a standard TS32 or TS35 DIN rail. Check the selected contact, fuse, connected load and coil-drive conditions before restoring the output circuit.

What output-current limit applies to FTA-T-20?

Use the assembly maximum of 5 A. A higher individual-relay component rating does not increase the assembly rating.

How are the contacts of FTA-T-20 protected?

Each common contact uses a 5 AT slow-blow fuse. Select replacements to the original type and rating.

04 / Functional acceptance planning

Application	Controlled review
Relay isolation	Transfer FSC output commands to potential-free field contacts within the documented load limits.
Changeover field circuits	Use the NO or NC connection appropriate to the designed field state and control narrative.
Channel diagnostics	Compare each relay LED with commanded state and the observed field-circuit response.
Termination maintenance	Maintain the SIC connection, screw terminals and individual common-contact fuses during controlled service.

How does FTA-T-20 indicate relay state?

Each energized relay has an LED. Confirm the actual field contact response as part of functional acceptance.

How is FTA-T-20 connected and mounted?

System signals enter through one SIC connector, field wiring uses screw terminals, and the assembly mounts on a TS32 or TS35 DIN rail.

Release boundary

Test command, relay indication and field response under the approved commissioning procedure.

Record
Keep the original configuration

>

Test
Observe controlled response

>

Release
Authorize normal operation

05 / Technical handover and support

Retained information

Keep the complete FTA-T-20 marking, host identity, connection photographs, configuration backup and controlled-test results in the service record.

Support planning

Confirm current support and replacement guidance with Honeywell for the installed identity and configuration. Apter Power availability and dispatch are separate quotation matters.

Reference basis

Honeywell FSC Hardware Manual, FTA-T-20 data sheet version 1.2.

Apter Power technical summary. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

Honeywell 10014/I/F

Honeywell FC-RUSLS-3224

Honeywell FC-TCNT11

Discuss your installed configuration

Send the full unit marking and connection details.

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