

INDUSTRIAL AUTOMATION PRODUCT

MC-TDOR62

Sixteen-Channel Relay Output FTA

Honeywell MC-TDOR62 is a conformally coated 16-channel relay-output field termination assembly. It switches isolated Form A or Form B contacts for TPS Process Manager output duties.

IDENTITY	VERIFIED VALUE
Manufacturer	Honeywell
System family	TPS Process Manager I/O
Part number	51309150-275
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
Relay outputs	16
Contact form	Form A; Form B jumper-selectable
Contact material	Silver alloy
Maximum switched voltage	265 Vac; 140 Vdc
Rated current	2.5 A at 240 Vac; 2 A at 30 Vdc; 0.5 A at 125 Vdc
Minimum switched current	100 mA
Isolation	1500 Vac rms; +/-1500 Vdc
Operate time	10 ms typical; 15 ms maximum
Maximum switching rate	360 cycles/hour
Fuse	3 A, 250 V, slow-blow
Snubber	51 ohm; 0.022 uF
Terminal type	Screw
Coating	Conformal

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System Role and Architecture

Honeywell MC-TDOR62 is a conformally coated 16-channel relay-output field termination assembly. It switches isolated Form A or Form B contacts for TPS Process Manager output duties.

FUNCTION 1

Switches isolated process loads through relay contacts

FUNCTION 2

Provides jumper-selected normally open or normally closed duties

FUNCTION 3

Separates field load circuits from the output processor

FUNCTION 4

Supports mixed AC and DC command circuits

Matched system components

- TPS relay-output processor
- FTA-to-IOP cable
- Protected AC or DC field load
- External field supply

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Applications and Engineering Context

Motor-starter interposing commands

Switches isolated process loads through relay contacts

Valve and solenoid switching

Provides jumper-selected normally open or normally closed duties

Alarm annunciation circuits

Separates field load circuits from the output processor

Package-equipment relay interfacing

Supports mixed AC and DC command circuits

TECHNICAL NOTE

Set each contact-form jumper before energization, apply the required external suppression and verify contact state with field energy isolated before the functional load test.

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Engineering Precautions

- 1 Verify the complete MC-TDOR62 marking and its assigned TPS Process Manager I/O position before work.
- 2 Isolate the energy associated with TPS relay-output processor before disconnecting MC-TDOR62.
- 3 Protect the MC-TDOR62 connectors and electronic assembly using approved ESD controls.
- 4 Record the as-found FTA-to-IOP cable connections and configured assignment before replacement.
- 5 Confirm Protected AC or DC field load matches the approved installation record for MC-TDOR62.
- 6 Restore MC-TDOR62 under controlled conditions and review its model-specific diagnostics.
- 7 Complete a documented functional test for motor-starter interposing commands before release.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
MC-TPIX12	TPS pulse-input field termination assembly	Open product page
MC-TSIM12	TPS serial-interface field termination assembly	Open product page
MC-TAOY25	TPS analog-output field termination assembly	Open product page
MC-TAMR04	TPS low-level analog-input termination assembly	Open product page

MANUFACTURER SOURCE RECORD

Honeywell TPS Process Manager I/O Specification and Technical Data
IO03-684 Rev. 2

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