

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.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

TPS Process Manager I/O

PART

51309150-275

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



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PRODUCT OVERVIEW

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.

- 1 Switches isolated process loads through relay contacts
- 2 Provides jumper-selected normally open or normally closed duties
- 3 Separates field load circuits from the output processor
- 4 Supports mixed AC and DC command circuits

SYSTEM COMPONENTS

TPS relay-output processor

FTA-to-IOP cable

Protected AC or DC field load

External field supply

TECHNICAL DATA

PARAMETER	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

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

PARAMETER	VALUE
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

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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.

ENGINEER FAQ

Q1 Does MC-TDOR62 match TPS relay-output processor in a Motor-starter interposing commands installation?

Verify the complete MC-TDOR62 marking, the documented TPS Process Manager I/O position and the installed TPS relay-output processor before fitting the assembly.

Q2 How should MC-TDOR62 be wired when it must switches isolated process loads through relay contacts?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for MC-TDOR62; then continuity-test the affected path.

Q3 Which TPS Process Manager I/O records should be captured before removing MC-TDOR62?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with MC-TDOR62 before disconnection.

Q4 What controlled test confirms that MC-TDOR62 can provides jumper-selected normally open or normally closed duties?

Apply the approved field or simulated stimulus, observe the TPS Process Manager I/O indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which FTA-to-IOP cable condition should be checked when MC-TDOR62 reports an abnormal state?

Check the FTA-to-IOP cable supply, seating and connection first, then compare channel diagnostics with the recorded MC-TDOR62 baseline.

Q6 Can MC-TDOR62 be moved directly into Valve and solenoid switching without validating External field supply?

No. Confirm the External field supply, revision, connection scheme and TPS Process Manager I/O configuration before transferring MC-TDOR62 to that duty.

Q7 What maintenance evidence is required after MC-TDOR62 is used for Alarm annunciation circuits?

Retain the nameplate record, corrective action, final diagnostics and a controlled alarm annunciation circuits functional-test result for MC-TDOR62.

Q8 How should MC-TDOR62 be returned to service in Package-equipment relay interfacing?

Restore power under control, verify separates field load circuits from the output processor, exercise the intended signal path and release MC-TDOR62 only after the TPS Process Manager I/O remains in its approved operating state.