

## Relay I/O Block Components Overview

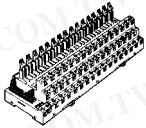


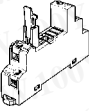
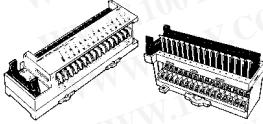
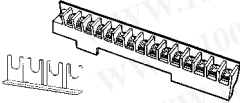
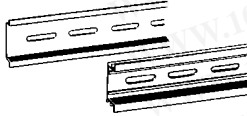


### Summary of All Parts to Consolidate Wiring and Reduced Installation Time

- Omron relay I/O blocks provide high performance switching used with controllers from any manufacturer
- G7TC blocks come with G7T input or output relays installed
- P7TF bases let you mix and match G7T relays and G3TA SSRs so long as the coil voltage matches the base voltage
- G70A bases let you mix and match higher capacity (10-amp) G2R Form C relays and G3R SSRs
- G70D blocks come with highly reliable G6D relays or G3DZ power MOSFET relays installed

### Ordering Information

Product	Appearance	Specifications	Part number	Standards
Relay I/O Blocks		Input block, 16 points, 24 VDC Input block, 16 points, DeviceNet Input block, 16 points, 110/120 VAC Input block, 16 points, DeviceNet Input block, 16 points, 220/240 VAC Output block, 16 points, NPN, 12 VDC Output block, 16 points, NPN, 24 VDC Output block, 16 points, PNP, 24 VDC Output block, 8 points, NPN, 12 VDC Output block, 8 points, NPN, 24 VDC Output block, 8 points, PNP, 24 VDC	G7TC-ID16 DC24V G7TC-ID16-5 DC24V G7TC-IA16 AC110/120V G7TC-IA16-5 AC100/110V G7TC-IA16 AC220/240V G7TC-OC16 DC12V G7TC-OC16 DC24V G7TC-OC16-1 DC24V G7TC-OC08 DC12V G7TC-OC08 DC24V G7TC-OC08-1 DC24V	UL CSA
Relay Block Bases		Input base, 16 points, NPN AC coil Input base, 16 points, NPN, DC coil Output base, 16 points, NPN, 12 VDC Output base, 16 points, NPN, 24 VDC Output base, 16 points, PNP, 24 VDC Output base, 8 points, NPN, 12 VDC Output base, 8 points, NPN, 24 VDC Output base, 8 points, PNP, 24 VDC	P7TF-IS16 AC110/120V P7TF-IS16 DC24V P7TF-OS16 DC12V P7TF-OS16 DC24V P7TF-OS16-1 DC24V P7TF-OS08 DC12V P7TF-OS08 DC24V P7TF-OS08-1 DC24V	UL CSA
I/O Relays for P7TF Bases		Input relay, 1 A input, 110/120 VAC Input relay, 1 A input, 200/220 VAC Input relay, 1 A input, 24 VDC Output relay, 5 A, 12 VDC Output relay, 5 A, 24 VDC	G7T-1122S AC110/120 G7T-1122S AC200/220V G7T-1122S DC24V G7T-1112S DC12V G7T-1112S DC24V	UL CSA CE
Solid State Relays for P7TF Bases		Input relay, 25 mA, 100-240 VAC Input relay, 25 mA, 5-24 VDC Output relay, 2 A, 12 VDC Output relay, 2 A, 24 VDC Output relay, 1 A, 24 VDC	G3TA-IAZR02S AC100/240V G3TA-IDZR02S DC5-24V G3TA-ODX02S DC12V G3TA-ODX02S DC24V G3TA-OD201S DC24V	UL CSA CE
Accessories for G7TC Relay I/O Blocks and P7TF Bases		Single I/O socket for SPDT relays Indicator module, AC, surge suppressor Indicator module, DC, surge suppressor Output short circuit protection module Shorting bar Finger protection cover for 16-point blocks	P7TF-05 P70A P70D G77-5 G78-04 G78-E	UL CSA

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Product	Appearance	Specifications	Part number	Standards
Relay I/O Block Base for 10-amp loads, includes VDE finger protection		Input base, 16 points, 240 VAC/110 VDC Output base, 16 points, NPN, 24 VDC Output base, 16 points, PNP, 24 VDC	G70A-ZIM16-5 DC24V G70A-ZOC16-3 DC24V G70A-ZOC16-4 DC24V	UL CSA CE
I/O Relays for G70A Bases		Input, bifurcated contacts, 24 VDC Input, twin cross-bar contacts, 24 VDC Output relay, SPDT (Form C), 12 VDC Output relay, SPDT (Form C), 24 VDC	G2R-1A3-SND DC24V G2R-13-SND DC24V G2R-1-SND DC12 G2R-1-SND DC24	UL CSA CE
Solid State Relays for G70A Bases		Input, 100-240 VAC Input, 12-24 VDC Input, 5 VDC Output, 2 A, 75-264 VAC load Output, 2 A, 4-60 VDC load Output, 1.5 A, 40-200 VDC load	G3R-IAZR-1SN AC100-240 G3R-IDZR-1SN DC12-24 G3R-IDZR-1SN DC5 G3R-OA202SZN DC5-24 G3R-ODX02N DC5-24 G3R-OD201SN DC5-24	UL CSA CE
Single relay expansion for G70A bases		For 1-pole G2R relay For 2-pole G2R relay	P2RF-05-E P2RF-08-E	UL CSA
Compact Relay Output Blocks, 16-points		Relay outputs, NPN, with relay pulling tool Relay outputs, PNP, with relay pulling tool MOSFET relay output, NPN, pulling tool MOSFET relay output, PNP, pulling tool Relay outputs, NPN, vertical sockets MOSFET relay output, NPN, vert. sockets	G70D-SOC16 DC24 G70D-SOC16-1 DC24 G70D-FOM16 G70D-FOM16-1 DC24 G70D-VSOC16 G70D-VFOM16	UL CSA
Accessories for G70D Output Blocks		Shorting bar Expansion terminal block Replacement relay Replacement MOSFET relay	G6D-4-SB G70D-ET G6D-1A DC24 G3DZ-2R6PL DC24	UL CSA
DIN rail mounting track		0.5 m length, 7.3 mm depth 1 m length, 7.3 mm depth 1 m length, 16 mm depth	PFP-50N PFP-100N PFP-100N2	---
DIN track end cap		---	PFP-M	
DIN track spacer		---	PFP-S	

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NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

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