

Relay I/O Blocks

G7□□

Consolidate Wiring and Reduce Installation Time

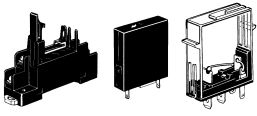
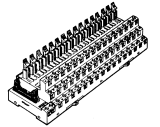
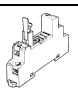
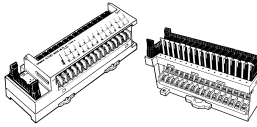
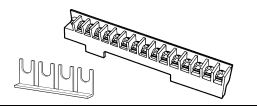
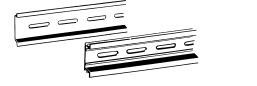
- Omron relay I/O blocks provide high performance switching used with controllers from any manufacturer
- G7TC blocks come with G7T input or output relays installed
 - 16-point models measure 180 W x 85 H x 68 D mm
 - 8-point models measure 102 W x 85 H x 68 D mm
- P7TF bases let you mix and match G7T 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
 - 16-point models measure 234 W x 75 H x 64 D mm
- G70D blocks come with highly reliable G6D relays or G3DZ power MOS FET relays installed
 - Compact models measure 156 W x 54 H x 39 D mm
 - G70D-V models measure 135 W x 50 H x 81 D mm



Ordering Information

Product	Appearance	Standards	Specifications	Part number
Relay I/O Blocks		UL CSA	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-IA16-5 AC100/110V G7TC-IA16 AC110/120V G7TC-IA16-5 AC100/110V G7TC-IA16 AC200/240V G7TC-OC16 DC12V G7TC-OC16 DC24V G7TC-OC16-1 DC24V G7TC-OC08 DC12V G7TC-OC08 DC24V G7TC-OC08-1 DC24V
Relay Block Bases		UL CSA	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

(This table continues on the next page.)

Product	Appearance	Standards	Specifications	Part number
I/O Relays for P7TF Bases		UL CSA CE	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
Solid State Relays for P7TF Bases		UL CSA CE	Input, 25 mA, 100-240 VAC Input, 25 mA, 5-24 VDC Output, 2 A, 75-264 VAC load, zero cross Output, 2 A, 75-264 VAC load, zero cross Output, 2 A, 75-264 VAC load, triac Output, 2 A, 75-264 VAC load, triac Output, 2 A, 5-48 VDC load Output, 2 A, 5-48 VDC load Output, 1 A, 48-200 VDC load	G3TA-IAZR02S AC100/240V G3TA-IDZR02S DC5-24V G3TA-OA202SZ DC12V G3TA-OA202SZ DC24V G3TA-OA202SL DC12V G3TA-OA202SL DC24V G3TA-ODX02S DC12V G3TA-ODX02S DC24V G3TA-OD201S DC24V
Accessories for G7TC Relay I/O Blocks and P7TF Bases		UL CSA	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
Relay I/O Block Base for 10-amp loads, includes VDE finger protection		UL CSA CE	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
I/O Relays for G70A Bases		UL CSA CE	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
Solid State Relays for G70A Bases		UL CSA CE	Input, 15 mA, 100-240 VAC Input, 8 mA, 12-24 VDC Input, 8 mA, 5 VDC Output, 2 A, 75-264 VAC load, zero cross 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-OA202SLN DC5-24 G3R-ODX02N DC5-24 G3R-OD201SN DC5-24
Single relay expansion for G70A bases		UL CSA	For 1-pole G2R relay For 2-pole G2R relay	P2RF-05-E P2RF-08-E
Compact Relay Output Blocks, 16-points		UL CSA	Relay outputs, NPN, with relay pulling tool Relay outputs, PNP, with relay pulling tool MOS FET relay output, NPN, pulling tool MOS FET relay output, PNP, pulling tool Relay outputs, NPN, vertical sockets MOS FET relay output, NPN, vert. sockets	G70D-SOC16 DC24 G70D-SOC16-1 DC24 G70D-FOM16 G70D-FOM16-1 DC24 G70D-VSOC16 G70D-VFOM16
Accessories for G70D Output Blocks		UL CSA	Shorting bar Expansion terminal block Replacement relay Replacement MOS FET relay	G6D-4-SB G70D-ET G6D-1A DC24 G3DZ-2R6PL DC24
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
Cable with crimp type hooks		—	1.0 m (3.28 ft) length 1.5 m (4.92 ft) length 2.0 m (6.56 ft) length 3.0 m (9.84 ft) length 5.0 m (16.40 ft) length	G79-Y100C G79-Y150C G79-Y200C G79-Y300C G79-Y500C
Cable with connector and loose wires		—	2.0 m (6.56 ft) length 5.0 m (16.40 ft) length	G79-A200C G79-A500C

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