

1-800-GRAINGER (472-4643)

Heavy-Duty Power Relays



- Screw-head terminals
- Silver alloy, self-wiping contacts
- Molded thermoset plastic base

Use for switching motor loads in applications such as elevators, machine tools, air handling, and HVAC equipment. Minimum operating voltage for AC relays is 85% of nominal voltage. 0.75 power factor. Relays with magnetic blowout feature suppress arcing.



H8162



H8151

No. of Pins	Contact Form	Features	AC Contact Rating	HP @ 120V	HP @ 240V	►CHOOSE: Coil Volts	Brand	Mfr. Model	Item No.
Power Relays									
4	SPST-NO	—	40A @ 300V	2	2	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Dayton	—	H8153
4	SPST-NO	Riveted Construction	40A @ 300V	2	2	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Schneider Electric	199DX	H8146
4	SPST-NO	—	40A @ 300V	2	2	120V AC; 277V AC; 480V AC	Square D	8501C06	H8162
5	SPDT	—	40A @ 300V	1 ½	Not Rated	12V DC; 24V AC; 24V DC; 120V AC	Dayton	—	H8143
5	SPDT	—	40A @ 300V	2	2	120V AC	Square D	8501C015	2DR55
6	DPST-NO	—	40A @ 300V	1 ½	1 ½	12V DC; 24V AC; 24V DC; 120V AC; 208V AC; 240V AC	Dayton	—	H8156
6	DPST-NO	Riveted Construction	40A @ 300V	2	2	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Schneider Electric	199X	H8150
8	DPDT	—	40A @ 300V	1 ½	1 ½	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Dayton	—	H8151
8	DPDT	Auxiliary Switch	40A @ 300V	1 ½	1 ½	24V DC; 120V AC	Square D	—	H8155
8	DPDT	—	40A @ 300V	2	2	120V AC	Square D	8501C016	H8137
8	DPDT	—	30A @ 277V	2	2	480V AC	Square D	8501C016	H8137
Power Relays with Magnetic Blowout									
4	SPST-NO	Magnetic Blowout	40A @ 300V	—	—	24V DC; 120V AC	Dayton	—	H8154
4	SPST-NO	Magnetic Blowout	40A @ 300V	—	—	24V DC; 120V AC; 240V AC	Schneider Electric	199DBX	H8147
8	DPDT	Magnetic Blowout	40A @ 300V	—	—	12V DC; 24V DC; 120V AC; 240V AC	Schneider Electric	199BX	H8148
8	DPDT	Magnetic Blowout	40A @ 300V	—	—	24V DC; 120V AC	Dayton	—	H8152
Enclosures for Power Relays									
For Use With 199 Series Power Relays							Schneider Electric	5089	6CV42
NEMA 1 Indoor Rating, 5.31L x 3.38W x 3.13"D, Knockouts for ½" Conduit							Dayton	1EGH7	1EGH7

* Includes auxiliary switch.

Enclosed Power Relays

Flange-type mounting bracket.

DAYTON®

Bottom-mounted ¼" quick-connect terminals. Silver cadmium oxide contacts. Operating temp. -30° to 50°C DC; -30° to 65°C AC. Pull-in at 85% of nominal voltage for AC coils or 80% for DC coils.

OMRON®

Top-mounted terminals. Dielectric strength: 4000VAC at 1 min. G7L series has push-to-test buttons.

SCHNEIDER ELECTRIC

Feature top-mounted terminals and locating slot for DIN rail mounting. Silver tin oxide contacts. 50/60 Hz. UL Listed.

Dayton®
H8139



Schneider Electric
H8138



Schneider Electric
H8130



Omron
H8123



No. of Pins	Contact Form	AC Contact Rating	HP @ 120V	HP @ 240V	►CHOOSE: Coil Volts	Brand	Mfr. Model	Item No.
Bottom Flange, Din Rail Mount, ¼ in Tab Terminals								
4	SPST-NO	30A @ 277V	1 ½	3	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Schneider Electric	—	H8131
6	DPST-NO	30A @ 277V	1	3	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Dayton	—	H8139
6	DPST-NO	30A @ 277V	1	3	12V DC; 24V AC; 24V DC; 120V AC; 230V AC	Schneider Electric	—	H8138
6	DPST-NO	25A @ 277V	1	2	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Schneider Electric	—	H8118
6	DPST-NO	30A @ 277V	1	3	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Schneider Electric	—	H8140
8	DPDT	30A @ 277V (NO), 3A @ 277V (NC)	1	3	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Dayton	—	H8134
8	DPDT	30A @ 277V (NO), 3A @ 277V (NC)	1	3	12V DC; 24V AC; 24V DC; 120V AC; 230V AC	Schneider Electric	—	H8135
8	DPDT	30A @ 277V (NO), 3A @ 277V (NC)	1	3	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Schneider Electric	—	H8136
Bottom Flange, Din Rail Mount, Screw Terminals								
6	DPST-NO	25A @ 277V	1	2	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Schneider Electric	—	H8121
Bottom Flange Mount, ¼ in Tab Terminals								
4	SPST-NO	30A @ 240V	1 ½	3	12V DC; 24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8129
4	SPST-NO	30A @ 240V	1	2	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Schneider Electric	—	H8130
5	SPDT	15A @ 240V (NC), 30A @ 240V (NO)	1	2	12V DC; 24V AC; 24V DC; 120V AC; 240V AC	Schneider Electric	—	H8128
6	DPST-NO	25A @ 240V	1 ½	3	12V DC; 24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8117
Bottom Flange Mount, Screw Terminals								
4	SPST-NO	30A @ 240V	1 ½	3	12V DC; 24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8133
6	DPST-NO	25A @ 240V	1	3	12V DC; 24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8120
Bracket Mount, ¼ in Tab Terminals								
6	DPST-NO	25A @ 240V	1 ½	3	12V DC; 24V DC	Omron	—	H8116
6	DPST-NO	25A @ 240V	1	2	24V AC; 100/120V AC; 200/240V AC	Omron	—	H8115
10	3PST-NO, SPST-NC	25A @ 240V (NO), 8A @ 240V (NC)	1 ½	3	12V DC; 24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8125
10	4PST-NO	25A @ 240V (NO), 8A @ 240V (NC)	1 ½	3	12V DC; 24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8127
Bracket Mount, Screw Terminals								
4	SPST-NO	30A @ 240V	1 ½	3	12V DC; 24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8132
6	DPST-NO	25A @ 240V	1 ½	3	12V DC; 24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8119
10	DPST-NC, DPST-NO	25A @ 240V (NO), 8A @ 240V (NC)	1 ½	3	12V DC; 24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8123
10	3PST-NO, SPST-NC	25A @ 240V (NO), 8A @ 240V (NC)	1 ½	3	12V DC; 24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8124
10	4PST-NO	25A @ 240V (NO), 8A @ 240V (NC)	1 ½	3	24V AC; 24V DC; 100/120V AC; 200/240V AC	Omron	—	H8126

Flange-Mount Power Relays

- 60/50 Hz Feature side flange and silver alloy contact material.



No. of Pins	Contact Form	AC Contact Rating	HP @ 120V	HP @ 240V	►CHOOSE: Coil Volts	Brand	Mfr. Model	Item No.
5	SPDT	25A @ 300V	1	1 ½	12V DC, 24V AC, 24V DC	Dayton	—	H8158
5	SPDT	25A @ 300V	1 ½	1 ½	—	Schneider Electric	389FXAXC1	H8160
8	DPDT	25A @ 300V	1 ½	1 ½	—	Dayton	—	H8159
8	DPDT	25A @ 300V	1 ½	1 ½	12V DC, 24V AC, 24V DC	Schneider Electric	389FXBXC1	H8161
8	DPDT	10A @ 480/600V	¾	1 ½	—	Omron	MJN2CE	H8099
11	3PDT	20A @ 150V	½	½	—	Dayton	—	H8094
11	3PDT	20A @ 150V	½	½	—	Schneider Electric	389FXCC1	H8093
5	SPDT	25A @ 300V	1	1 ½	120V AC	Dayton	—	H8158



H8161

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