

# POTTER & BRUMFIELD Power Relays and Contactors



Authorized Distributor

## PRD SERIES: HEAVY DUTY POWER RELAYS

### Specifications:

- Initial breakdown voltage: 2000Vrms between all elements and ground.
- Expected mechanical life: 100,000 operations
- Screw terminal termination

\* With magnetic blow-out

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Main Contact Arrangement	Contact Rating	Contact Material	Price Each			
							1	25	50	100
655-PRD-3AY0-120	PRD-3AY0-120	A	120VAC	SPST-NO-DM	25A	Silver				
655-PRD-5AY0-120	PRD-5AY0-120	A	120VAC	SPDT	25A	Silver				
655-PRD-5DY0-12	PRD-5DY0-12	A	12VDC	SPDT	25A	Silver				
655-PRD-7AG0-120	PRD-7AG0-120	B	120VAC	DPST-NO	30A	AgCdO				
655-PRD-7AY0-120	PRD-7AY0-120	B	120VAC	DPST-NO	25A	Silver				
655-PRD-7AY0-240	PRD-7AY0-240	B	240VAC	DPST-NO	25A	Silver				
655-PRD-7DY0-12	PRD-7DY0-12	B	12VDC	DPST-NO	25A	Silver				
655-PRD-7DY0-24	PRD-7DY0-24	B	24VDC	DPST-NO	25A	Silver				
*655-PRD-11AH0-120	PRD-11AH0-120	C	120VAC	DPDT	20A	Silver				
655-PRD-11AY0-24	PRD-11AY0-24	C	24VAC	DPDT	25A	Silver				
655-PRD-11AY0-120	PRD-11AY0-120	C	120VAC	DPDT	25A	Silver				
655-PRD-11AG0-120	PRD-11AG0-120	C	120VAC	DPDT	30A	AgCdO				
655-PRD-11AY0-240	PRD-11AY0-240	C	240VAC	DPDT	25A	Silver				
655-PRD-11DH0-24	PRD-11DH0-24	C	24VDC	DPDT	20A	Silver				
655-PRD-11DY0-24	PRD-11DY0-24	C	24VDC	DPDT	25A	Silver				
655-PRD-11DY0-110	PRD-11DY0-110	C	110VDC	DPDT	25A	Silver				
655-PRD-11DG0-24	PRD-11DG0-24	C	24VDC	DPDT	30A	AgCdO				
*655-PRD-11DH0-110	PRD-11DH0-110	C	110VDC	DPDT	20A	Silver				



**DIMENSIONS: mm**

Dimensions A through J show various views and measurements for the PRD series relays. A and B show top and side views of a 25A relay. C and D show side and front views of a 30A relay. E and F show side and front views of a 20A relay with a wiring diagram. G and H show side and front views of a 15A relay. I and J show side and front views of a 25A relay with a different terminal configuration.

## S86R/S87R SERIES: LOW COST INDUSTRIAL RELAYS

### Specifications:

- UL Class B coil insulation system
- Coil terminal locations: S86 - Same side as switch terminals; S87 - Perpendicular to switch terminals
- 20 Amp
- Expected mechanical life: 1 million operations
- Applications include spa controls, vending machines, and HVAC

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Coil Current	Price Each			
							1	25	50	100
655-S87R5A2B1D1-120	S87R5A2B1D1-120	D	120VAC	SPDT	20A	33mA				
655-S87R11A2B1D1120	S87R11A2B1D1-120	E	120VAC	DPDT	20A	33mA				
655-S86R11A1B1D1120	S86R11A1B1D1-120	E	120VAC	DPDT	20A	33mA				



## S89R/S90R SERIES: BISTABLE IMPULSE RELAYS

### Specifications:

- Operates on 75ms min. pulse
- Expected mechanical life: 100,000 operations
- Continuous coil rating
- UL Class B coil insulation system
- Applications include garage door controls, motor reversing, and lighting controls

\* With dust cover and octal plug-in base

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Coil/Switch Terminals	Price Each			
							1	25	50	100
*655-S89R11APP1-120	S89R11APP1-120	F	120VAC	DPDT	15A	-----				
655-S89R11DAC1-12	S89R11DAC1-12	G	12VDC	DPDT	15A	.187"QC				
655-S89R11DAC1-24	S89R11DAC1-24	G	24VDC	DPDT	15A	.187"QC				
655-S89R5AAC1-120	S89R5AAC1-120	G	120VAC	SPDT	15A	.187"QC				
655-S89R5AAC1-24	S89R5AAC1-24	G	24VAC	SPDT	15A	.187"QC				
655-S90R5ABD1-120	S90R5ABD1-120	G	120VAC	SPDT	20A	.250"QC				



## DEFINITE PURPOSE MAGNETIC CONTACTORS

### Specifications:

- Contact material: Silver-cadmium oxide
- Expected mechanical life: AC coil - 2 million operations; DC coil - 10 million operations
- For controlling motors, power supplies, heating elements, and lighting
- Minimum contact load: 3A @ 120VAC
- Class A insulation class
- Coil terminals: 8-32 Screw terminals and .250"QC
- Main contact terminal: screw terminal

\* With SPDT auxiliary switch

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Arrangement	Contact Rating	Contact Material	Price Each			
							1	25	50	100
655-P25P42A22P1-120	P25P42A22P1-120	H	120VAC	3PST-NO-DM	25A	AgCdO				
655-P25P42A22P1-240	P25P42A22P1-240	H	240VAC	3PST-NO-DM	25A	AgCdO				
655-P25P42D22P1-24	P25P42D22P1-24	I	24VDC	3PST-NO-DM	25A	AgCdO				
655-P30P42D12P1-24	P30P42D12P1-24	J	24VDC	3PST-NO-DM	30A	AgCdO				
*655-P40P42D12P1-24	P40P42D12P1-24	J	24VDC	3PST-NO-DM	40A	AgCdO				



General Purpose Relays Potter & Brumfield