

PRD-11DH0-48 Product Details

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Detailed product features are not currently available online.

Product features can often be found by referring to the available documents. [Contact us](#) for information about this product.

No Image Available

PRD-11DH0-48=PRD

 Always EU RoHS compliant but not ELV
Compliant (Statement of Compliance)

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PRD-11DH0-48

TE Internal Number: 5-
1393127-0



Active

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Documentation & Additional Information

Product Drawings:

- None Available

Related Products:

- [Tooling](#)

Catalog Pages/Data Sheets:

- [PRD 10 to 50 Amp Heavy Duty AC or DC Power Relay \(PDF, English\)](#)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

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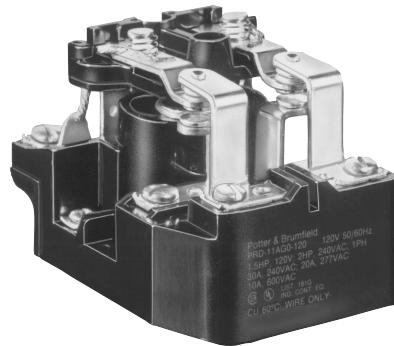
Keep Me Informed



PRD Series Power Relay

- Contact ratings to 50 amps
- Magnetic blowouts available for switching DC loads
- Contact arrangement up to 2 form C (2CO)
- 1 Form C auxiliary switch available
- UL class B insulation

Typical applications
Industrial controls, lighting



Approvals

UL E22575; CSA LR15734; VDE Reg.Nr.C144

Models with all screw terminals are UL Listed. Others are UL Recognized.

Technical data of approved types on request

Contact Data

Contact arrangement	1 and 2 Form A (NO); 1 and 2 Form C (CO); 1 Form X (NO-DM)
Rated voltage	600VAC, 125VDC
Rated current	50A
Contact material	Ag, AgCdO, W
Min. recommended contact load	1A, 12VDC or 12VAC
Initial contact resistance	75mΩ Max
Initial voltage drop	75mV
Frequency of operation	7200 ops/hr
Operate/releases time max.	40/20ms
Bounce time max.	10ms

Contact ratings

Type	Load	Cycles
UL 508¹⁾		
Models with screws or quick connects for main terminals		
Code Y, Ag, 1 pole		
25A, 277VAC	100x10 ³	
1HP, 120VAC	100x10 ³	
2HP, 250VAC	100x10 ³	
10A, 600VAC	100x10 ³	
7A, 50VDC, resistive	100x10 ³	
Code Y, Ag, 2 pole		
25A, 240VAC	100x10 ³	
20A, 277VAC	100x10 ³	
1HP, 120VAC	100x10 ³	
2HP, 250VAC	100x10 ³	
7A, 50VDC, resistive	100x10 ³	
10A, 600VAC	100x10 ³	
Code G, AgCdO, 1 pole		
30A, 277VAC, resistive	100x10 ³	
1.5HP, 120VAC	100x10 ³	
2HP, 250VAC	100x10 ³	
10A, 600VAC	100x10 ³	
Code G, AgCdO, 2 pole		
30A, 240VAC	100x10 ³	
20A, 277VAC	100x10 ³	
1.5HP, 120VAC	100x10 ³	
2HP, 250VAC	100x10 ³	
10A, 600VAC	100x10 ³	

¹⁾ Any PRD relay deviating electrically or physically from the standard models in the table is not UL or CSA listed. All horsepower ratings are for single phase motors..

Contact ratings (continued)

Type	Load	Cycles
UL 508¹⁾		
Models with screws or quick connects for main terminals		
Code F, AgCdO, 1 pole		
50A, 240VAC, general purpose ²⁾	20x10 ³	
30A, 277VAC, resistive	100x10 ³	
1.5HP, 120VAC	100x10 ³	
2HP, 250VAC	100x10 ³	
10A, 600VAC	100x10 ³	
Code F, AgCdO, 2 pole		
50A, 240VAC, general purpose ²⁾	20x10 ³	
30A, 240VAC	100x10 ³	
20A, 277VAC	100x10 ³	
1.5HP, 120VAC	100x10 ³	
2HP, 250VAC	100x10 ³	
10A, 600VAC	100x10 ³	
Code H, Ag with magnetic blowout, 1 or 2 pole		
20A, 125VDC	100x10 ³	
1/3HP, 125VDC	100x10 ³	
Code J, AgCdO with magnetic blowout, 1 or 2 pole		
20A, 125VDC	100x10 ³	
1/3HP, 125VDC	100x10 ³	
Code N, W stationary with AgCdO movable, 1 or 2 pole		
25A, 250VAC	100x10 ³	
1HP, 125VAC	100x10 ³	
2HP, 250VAC	100x10 ³	
UL 508¹⁾		
Models with box lugs for main terminals		
Code P, Ag, 1 form X		
50A, 277VAC, general purpose	100x10 ³	
30A, 277VAC, ballast	6x10 ³	
15A, 277VAC, tungsten	6x10 ³	
102LRA, 17FLA, 240VAC	30x10 ³	
120LRA, 20FLA, 120VAC	30x10 ³	
1.5HP, 120VAC	30x10 ³	
3HP, 240VAC	30x10 ³	
Factory ratings		
Models with box lugs for main terminals		
Code R, Ag with magnetic blowout, 1 form X		
60A, 28VDC, resistive	100x10 ³	
30A, 125VDC	100x10 ³	
Mechanical endurance	DC Coil, 1x10 ⁶ ops.; AC Coil 5x10 ⁵ ops.	

Auxiliary Snap-Action Switch Contact Data

Contact arrangement	1 Form C (CO)
Rating	5A, 120VAC, 60 Hz., 25°C
Contact material	Ag

PRD Series Power Relay (Continued)
Coil Data

Coil voltage range		6 to 110VDC
6 to 480VAC		

Coil insulation system according UL		Class B
Coil versions, DC coil		

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance $\Omega \pm 10\%$	Rated coil power W
6	6	4.5	0.6	18	2
12	12	9	1.2	71	2
24	24	18	2.4	288	2
48	48	36	4.8	1150	2
110	110	82.5	11	6050	2

All figures are given for coil without preenergization, at ambient temperature +23°C.

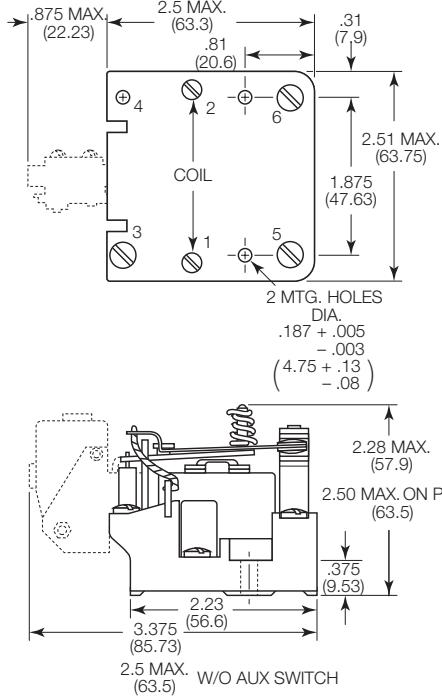
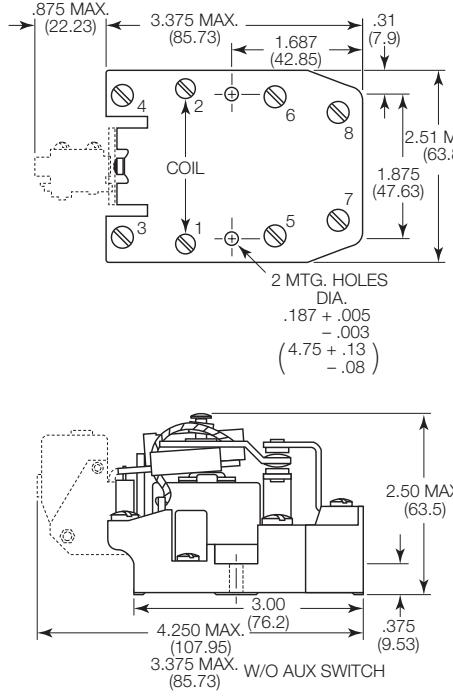
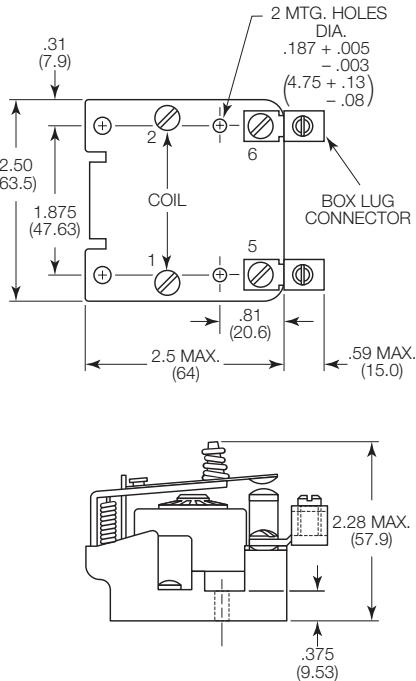
Other coil voltages on request.

Coil versions, AC coil

Coil code	Rated voltage VAC	Operate voltage VAC	Release voltage VAC	Coil resistance $\Omega \pm 15\%$	Rated coil power VA
6	6	5.1	0.6	0.86	9.8
12	12	10.2	1.2	3.2	9.8
24	24	20.4	2.4	12	9.8
120	120	102	12	290	9.8
240	240	204	24	1200	9.8
480	480	408	48	4500	9.8

All figures are given for coil without preenergization, at ambient temperature +23°C.

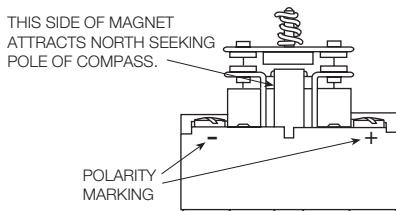
Other coil voltages on request.

Dimensions
PRD/PRDA 1, 3, 5 and 7

PRD/PRDA 11

PRD-3_P and R


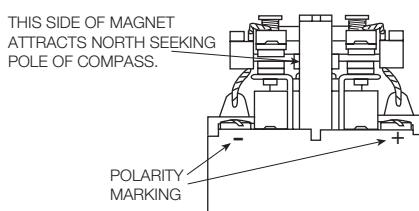
PRD Series Power Relay (Continued)

Terminal assignment for models with magnetic blowout

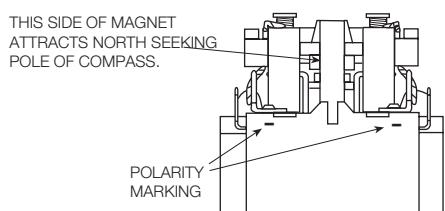
PRD3 with blowout



PRD7 with blowout



PRD 11 with blowout



Product code structure

Typical product code

PRD

-7

A

Y

0

-120

Type

PRD Open relay

PRDA Open relay with aux. 1 form C (CO) snap-action switch

Main contact arrangement

1 1 form A (1 NO)	3 1 form X (1 NO-DM)
5 1 form C (1 CO)	7 2 form A (2 NO)
7V 2 form A (2 NO) with 3mm contact gap ¹⁾	11 2 form C (2 CO)

1) Code 7V is only available as a UL Recognized model, not UL Listed

Coil input

A AC, 50/60Hz

D DC

Main contact material and type

- Y** .312" (7.92mm) dia. Ag [25A max. rating]
- G** .312" (7.92mm) dia. AgCdO [30A max. rating]
- F** .312" (7.92mm) dia. AgCdO [50A max. rating] ²⁾
- H** Ag with magnetic blowout [20A DC max. rating] ³⁾
- J** AgCdO with magnetic blowout [20A DC max. rating]
- N** W stationary & AgCdO movable [25A max. rating] ⁴⁾
- P** Ag [50A max. rating] ⁵⁾
- R** Ag with magnetic blow out [50A max. rating] ⁵⁾

2) Available with Main contact arrangement code (step 2 above) 1, 5, 7 or 11 only, and Termination code (step 5 below) 0 or A only.

3) Available with Main contact arrangement code (step 2 above) 3, 7 or 11 only

4) Available with Main contact arrangement code (step 2 above) 1, 5, 7 or 11 only.

5) Available with Main contact arrangement code (step 2 above) 3 only, and Termination code (step 5 below) 4 only.

Termination

PRD types only

- 0** #8-32 screw term. for main contacts, #6-32 screw term. for coil.
- 1** .250" (6.35mm) QC for main contacts and coil
- 3** #8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.
- 4** Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil. ⁶⁾

6) Available with Main contact arrangement code (step 2 above) 3 only, and Main contact material code (step 4 above) P or R only.

PRDA (with aux. switch) types only

- A** #8-32 screw term. for main contacts, #6-32 screw term. for coil, screw term. for aux. switch
- B** .250" (6.35mm) QC for main contacts, coil and aux. switch
- L** Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch

Coil voltage

Coil code: please refer to coil versions table

PRD Series Power Relay (Continued)

Product Code	Arrangement	Material	Coil	Terminals	Part Number
PRD-3AY0-120	1 form X, 1 NO-DM	Ag	120VAC	Screw	7-1393127-9
PRD-3AG0-120		AgCdO, 30A			6-1393127-9
PRD-3AJ0-120		AgCdO, mag blowout			7-1393127-4
PRD-3AJ3-24			24VAC	Screw / QC	7-1393127-5
PRD-3DH0-24		Ag, mag blowout	24VDC	Screw	8-1393127-6
PRD-3DY0-12		Ag	12VDC		9-1393127-5
PRD-3DY0-24			24VDC		9-1393127-6
PRD-3DY0-110			110VDC		9-1393127-4
PRD-5AY0-24	1 form C, 1 CO		24VAC		1393128-6
PRD-5AY0-120			120VAC		1393128-5
PRD-5AY1-120				QC	1-1393128-1
PRD-5AY0-240			240VAC	Screw	1393128-7
PRD-5DF0-12		AgCdO, 50A	12VDC		2-1423100-4
PRD-5DY0-12		Ag	24VDC		1-1393128-6
PRD-5DY0-24					1-1393128-7
PRD-7AG0-120		AgCdO, 30A	120VAC		9-1393129-5
PRD-7AY0-24	2 form A, 2 NO	Ag	24VAC		1393130-9
PRD-7AY0-120			120VAC		1393130-7
PRD-7AY0-240			240VAC		1-1393130-0
PRD-7AY3-120			120VAC	Screw / QC	1-1393130-2
PRD-7DG0-24		AgCdO, 30A	24VDC	Screw	1-1393130-6
PRD-7DH0-48		Ag, mag blowout	48VAC		2-1393130-1
PRD-7DY0-12		Ag	12VDC		2-1393130-8
PRD-7DY0-24			24VDC		2-1393130-9
PRD-11AF0-240	2 form C, 2 CO	AgCdO, 50A	240VAC		3-1423100-0
PRD-11AG0-24		AgCdO, 30A	24VAC		1-1393127-1
PRD-11AG0-120			120VAC		1393127-9
PRD-11AG0-240			240VAC		1-1393127-2
PRD-11AH0-120		Ag, mag blowout	120VAC		1-1393127-6
PRD-11AY0-24		Ag	24VAC		2-1393127-9
PRD-11AY0-120			120VAC		2-1393127-6
PRD-11AY0-240			240VAC		3-1393127-0
PRD-11AY0-480			480VAC		3-1393127-1
PRD-11DF0-12		AgCdO, 50A	12VDC		2-1423100-2
PRD-11DF0-110			110VDC		2-1423100-9
PRD-11DG0-12		AgCdO, 30A	12VDC		3-1393127-5
PRD-11DG0-24			24VDC		3-1393127-8
PRD-11DH0-12		Ag, mag blowout	12VDC		4-1393127-7
PRD-11DH0-24			24VDC		4-1393127-9
PRD-11DH0-48			48VDC		5-1393127-0
PRD-11DH0-110			110 VDC		4-1393127-6
PRD-11DJ0-24		AgCdO, mag blowout	24 VDC		5-1393127-5
PRD-11DY0-12		Ag	12 VDC		6-1393127-1
PRD-11DY0-24			24 VDC		6-1393127-2
PRD-11DY0-48			48 VAC		6-1393127-3
PRD-11DY0-110			110 VDC		6-1393127-0
PRDA-11AGA-120		AgCdO, 30A	120 VAC		7-1393131-4
PRDA-11AYA-120					7-1393131-9

PRD accessory

Product Code	Description	Part Number
35D013	Metal dust cover enclosure	5-1393158-2


35D013 Dust Cover

PRD dust cover has a steel base with knockouts for 0.5" (12.7mm) dia. conduit and a cover fitted with two screws. Fits PRD relays, except with auxiliary contacts. Finished in gray baked enamel.

Mounting:
Three No. 10 holes on
1.875" (47.63mm) x
4.125" (104.77mm)
centers.

