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## **PRD Series Power Relay**

- Contact ratings to 50A
- Magnetic blowouts available for switching DC loads
- Contact arrangement up to 2 form C (2C0)
- 1 form C auxiliary switch available
- UL class B insulation



Contact ratings (continued)

Approvals UL E22575; CSA LR15734; VDE 40020133 (available only on PRD with DC

coil and Termination code 1) 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	d 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

Туре	Load	Cycles
UL 508 <sup>1)</sup>		
Models with scr	rews or quick connects for main terminals	
Code Y, Ag, 1 p	pole	
	25A, 277VAC	100x10 <sup>3</sup>
	1HP, 120VAC	100x10 <sup>3</sup>
	2HP, 250VAC	100x10 <sup>3</sup>
	10A, 600VAC	100x10 <sup>3</sup>
	7A, 50VDC, resistive	100x10 <sup>3</sup>
Code Y, Ag, 2 p	pole	
	25A, 240VAC	100x10 <sup>3</sup>
	20A, 277VAC	100x10 <sup>3</sup>
	1HP, 120VAC	100x10 <sup>3</sup>
	2HP, 250VAC	100x10 <sup>3</sup>
	7A, 50VDC, resistive	100x10 <sup>3</sup>
	10A, 600VAC	100x10 <sup>3</sup>
Code G, AgCd	O, 1 pole	
	30A, 277VAC, resistive	100x10 <sup>3</sup>
	1.5HP, 120VAC	100x10 <sup>3</sup>
	2HP, 250VAC	100x10 <sup>3</sup>
	10A, 600VAC	100x10 <sup>3</sup>
Code G, AgCd		
	30A, 240VAC	100x10 <sup>3</sup>
	20A, 277VAC	100x10 <sup>3</sup>
	1.5HP, 120VAC	100x10 <sup>3</sup>
	2HP, 250VAC	100x10 <sup>3</sup>
	10A, 600VAC	100x10 <sup>3</sup>

not UL or CSA listed. All horsepower ratings are for single phase motors..

UL 508 <sup>1)</sup> Models with screws or quick connects for main terminals Code F, AgCdO, 1 pole	
Code F, AgCdO, 1 pole	
50A, 240VAC, general purpose <sup>2)</sup>	20x103
30A, 277VAC, resistive	100x10 <sup>3</sup>
1.5HP, 120VAC	100x10 <sup>3</sup>
2HP, 250VAC	100x10 <sup>3</sup>
10A, 600VAC	100x10 <sup>3</sup>
Code F, AgCdO, 2 pole	
50A, 240VAC, general purpose <sup>2)</sup>	20x103
30A, 240VAC	100x10 <sup>3</sup>
20A, 277VAC	100x10 <sup>3</sup>
1.5HP, 120VAC	100x10 <sup>3</sup>
2HP, 250VAC	100x10 <sup>3</sup>
10A, 600VAC	100x10 <sup>3</sup>
2) In order to achieve 50A rating with contact code F, termination Code 0 or	
.,	
Code H, Ag with magnetic blowout, 1 or 2 pole	
20A, 125VDC	100x10 <sup>3</sup>
1/3HP, 125VDC	100x10 <sup>3</sup>
Code J, AgCdO with magnetic blowout, 1 or 2 pole	100/110
20A, 125VDC	100x10 <sup>3</sup>
1/3HP, 125VDC	100x10 <sup>3</sup>
Code N, W stationary with AgCdO movable, 1 or 2 pole	100/(10
25A, 250VAC	100x10 <sup>3</sup>
1HP, 125VAC	100x10 <sup>3</sup>
2HP, 250VAC	100x10 <sup>3</sup>
UL 508 <sup>1</sup> )	100/10
Models with box lugs for main terminals	
Code P, Ag, 1 form X	
50A, 277VAC, general purpose	100x10 <sup>3</sup>
30A, 277VAC, general purpose 30A, 277VAC, ballast	
	6x10 <sup>3</sup>
15A, 277VAC, tungsten	6x10 <sup>3</sup>
102LRA, 17FLA, 240VAC	30x10 <sup>3</sup>
120LRA, 20FLA, 120VAC	30x10 <sup>3</sup>
1.5HP, 120VAC	30x10 <sup>3</sup>
3HP, 240VAC	30x10 <sup>3</sup>
Factory ratings	
Models with box lugs for main terminals	
Code R, Ag with magnetic blowout, 1 form X	
60A, 28VDC, resistive	100x10 <sup>3</sup>
30A, 125VDC	100x10 <sup>3</sup>

Mechanical endurance DC Coil, 1x10<sup>6</sup> ops.; AC Coil 5x10<sup>5</sup> ops.

## **Auxiliary Snap-Action Switch Contact Data**

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

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Catalog and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at <a href="http://relays.te.com/definitions">http://relays.te.com/definitions</a>

Catalog product data, 'Definitions' section, application notes and all specifications are subject to change.

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Typical applications Industrial controls, lighting.



## PRD Series Power Relay (Continued)

### **Coil Data**

Coil voltage range			6	to 110VDC		
			6 to 480VAC			
Coil insul	ation system a	according UL		Class B		
Coil vers	sions, DC co	il				
Coil	Rated	Operate	Release	Coil	Rated coil	
code	voltage	voltage	voltage	resistance	power	
	VDC	VDC	VDC	Ω±10%	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	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VAČ	VAČ	VAČ	Ω±15%	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

2.5 MAX.







PRD-3\_P and R

### Accessories

Product Code	Description
35D013	Metal dust cover

#### .875 MAX .31 (7,9) (63.3)(22.23) .81 (20.6) **⊘**<sub>2</sub> 6 ⊕⊿ ÷Ė 2.51 MAX. (63.75) COIL 1.875 (47.63) 3 $\bigcirc$ $\bigcirc$ Ó 2 MTG. HOLES DIA. .187 + .005 - .003 (4.75 + .13 - .08) 2.28 MAX (57.9) 2.50 MAX, ON PRD7 (63.5) .375 (9.53) 2.23 1









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3.375 (85.73) (56.6)

2.5 MAX. (62 5). W/O AUX SWITCH

Catalog and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

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## PRD Series Power Relay (Continued)

### Terminal assignment for models with magnetic blowout



Type         PRD Open relay         PRDA Open relay with aux. 1 form C (CO) snap-action switch         Main contact arrangement         1          1	Product	code structure	Typical product code	PRD	-7	Α	Y	0	-120
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)         TV       2 form A (2 NO)       11       2 form C (2 CO)         1) Code 7V is only available as a UL Recognized model, not UL Listed       Colinput       Image: Colinput         A       AC, 50/60Hz       D       DC         Main contact material and type       Y       312 (7, 92mm) dia. AgCO (30A max. rating)       R         G       312 (7, 92mm) dia. AgCO (30A max. rating)       R       AgCO with magnetic blowout [20A DC max. rating]         F       312 (7, 92mm) dia. AgCO [50A max. rating]       R       AgCO with magnetic blowout [20A DC max. rating]         J       AgCO with magnetic blowout [20A DC max. rating]       R       Ag (50A max. rating)       R         J       AgCO with magnetic blowout [20A DC max. rating]       R       Ag (50A max. rating)       R         I Available with Main contact arragement code 3, 7 or 11 only.       Available with Main contact arragement code 3 only, and Termination code 0 or A only.       Available with Main contact arragement code 3 only, and Termination code 0       A only.         I Available with Main contact arragement code 3 only, and Termination code 0 or A only.       I Available with Main contact arragement code 3 only, and Termination code 0 or A only.         I Available with Main contact arrag	PF		nap-action switch	_					
\$ 1 form C (1 CO)       7       2 form A (2 NO)         TV 2 form A (2 NO) with 3mm contact gap 3       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. Ag (26A (30A max. rating]       D DC         Main contact material and type       Y       .312" (7.92mm) dia. Ag (260 (30A max. rating]         F       .312" (7.92mm) dia. Ag (26D (20A max. rating]       B DC         Main contact magnetic blowout (20A DC max. rating]       Ag (50A max. rating]       B Ag (50A max. rating]         J       Ag (CdO with magnetic blowout (20A DC max. rating]       Ag (50A max. rating]       B Ag (50A max. rating]         N       W stationary & AgCdO movable (25A max. rating]       Ag (50A max. rating]       B Ag (50A max. ratin					J				
TV 2 form A (2 NO) with 3mm contact gap <sup>10</sup> 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         Main contact material and type         Y       312° (7.92mm) dia. AgCdO [30A max. rating]         G       312° (7.92mm) dia. AgCdO [50A max. rating]         F       312° (7.92mm) dia. AgCdO [50A max. rating]         F       312° (7.92mm) dia. AgCdO [50A max. rating]         G       312° (7.92mm) dia. AgCdO [50A max. rating]         F       312° (7.92mm) dia. AgCdO [50A max. rating]         G       312° (7.92mm) dia. AgCdO [50A max. rating]         F       312° (7.92mm) dia. AgCdO [50A max. rating]         G       Agcdo with magnetic blowout [20A DC max. rating]         N       W stationary & AgCdO movable [25A max. rating]         R       Ag gib0A max. rating]         R       Ag with magnetic blow out [50A max. rating]         P       Ag [50A max. rating]         R       Ag with magnetic advorument codel 3, 7 or 11 only.         9. Available with Main contact arrangement codel 3, 7 or 11 only.         9. Available with Main contact arrangement code 3, 70 or 11 only.         9. Available with Main contact arrangement code 3, 70 or 11 only.         9. Available with Main contact a		5	3 1 form X (1 NO-DM)						
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. Ag Codo [30A max. rating]         F       .312" (7.92mm) dia. Ag Codo [50A max. rating]         F       .312" (7.92mm) dia. Ag Codo [50A max. rating]         G       .312" (7.92mm) dia. Ag Codo Un compare the available with magnetic blowout [20A DC max. rating]         N       W stationary & Ag Codo movable [25A max. rating]         N       W stationary & Ag Codo movable [25A max. rating]         P       Ag with magnetic blowout [20A DC max. rating]         N       W stationary & Ag Codo movable [25A max. rating]         P       Ag given th magnetic blow out [50A max. rating]         P       Ag with magnetic blow out [50A max. rating]         N       W stationary & AgCdo Tonvable [25A max. rating]         P       Ag given the magnetic blow out [50A max. rating]         Ag with magnetic blow out [50A max. rating]         N       W stationary & AgCdo With Main contact arrangement code 3.7 or 11 only.         Available with Main contact arrangement code 3 only. and Termination code 4 only.         Termination       PRB types only	5	1 form C (1 CO)	7 2 form A (2 NO)						
Coil input       A CC, 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]       ?         H       Ag with magnetic blowout [20A DC max. rating]       ?         J       AgCdO With magnetic blowout [20A DC max. rating]       ?         J       AgCdO with magnetic blowout [20A DC max. rating]       ?         J       AgCdO with magnetic blow out [20A DC max. rating]       ?         J       AgCdO with magnetic blow out [20A DC max. rating]       ?         J       AggLable with Main contact arrangement code 1, 5, 7 or 11 only, and Termination code 0 or A only.       ?         ?       Available with Main contact arrangement code 3, 7 or 11 only.       ?       ?         3       Available with Main contact arrangement code 3, 7 or 11 only.       ?       ?         4       Available with Main contact arrangement code 3, 7 or 11 only.       ?       ?         4       Available with Main contact arrangement code 1, 5, 7 or 11 only.       ?       ?         5       Available with Main contact arrangement code 1, 5, 7 or 11 only.       ?       ?         6       # 82 screw term. for main contacts, #6-32 screw ter	7V	2 form A (2 NO) with 3mm contact gap 1	11 2 form C (2 CO)						
A       AC, 50/60Hz       D       DC         Main contact material and type       Y       3.12" (7.92mm) dia. Ag [26A max. rating]       G       .312" (7.92mm) dia. AgCdO [30A max. rating]       P         G       .312" (7.92mm) dia. AgCdO [50A max. rating]       P       .312" (7.92mm) dia. AgCdO (30A max. rating]       P         H       Ag with magnetic blowout [20A DC max. rating]       P       .312 (7.92mm) dia. AgCdO (30A may. rating]       P         J       AgCdO with magnetic blowout [20A DC max. rating]       P       .342 (7.92mm) dia. AgCdO movable [25A max. rating]       P         N       W stationary & AgCdO movable [25A max. rating]       P       Ag [50A max. rating]       P         P       Ag (50A max. rating]       P       Ag (50A max. rating]       P         Ag with magnetic blow out [50A max. rating]       P       Ag (50A max. rating]       P         Ag with Main contact arrangement code 1, 5, 7 or 11 only.       Available with Main contact arrangement code 3 on 11 only.       Available with Main contact arrangement code 3 only. and Termination code 0 or A only.         J-Available with Main contact arrangement code 3 only. and Termination code 4 only.       Available with Main contact arrangement code 3 (6.35mm) QC for coil.       1       .250" (6.35mm) QC for main contacts, #6-32 screw term. for coil.       P         Box lug term. which accept #6 - #14 wire for main contacts, #6-32 s	1) Code	7V is only available as a UL Recognized model, no	UL Listed						
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]         H       Ag with magnetic blowout [20A DC max. rating]         J       AgCdO with magnetic blowout [20A DC max. rating]         N       W stationary & AgCdO movable [25A max. rating]         P       Ag [50A max. rating]         Savalable with Main contact arrangement code 3, 7 or 11 only.         Available with Main contact arrangement code 3 anly.	Coil input	t				_			
<ul> <li>Y .312" (7.92mm) dia. Ag [25A max. rating]</li> <li>G .312" (7.92mm) dia. AgCd0 [50A max. rating]</li> <li>F .312" (7.92mm) dia. AgCd0 [50A max. rating]</li> <li>A Ag with magnetic blowout [20A DC max. rating]</li> <li>J AgCd0 with magnetic blowout [20A DC max. rating]</li> <li>J AgCd0 with magnetic blowout [20A DC max. rating]</li> <li>M W stationary &amp; AgCd0 movable [25A max. rating]</li> <li>N W stationary &amp; AgCd0 movable [25A max. rating]</li> <li>P Ag [50A max. rating]</li> <li>R Ag with magnetic blow out [50A max. rating]</li> <li>P Ag (50A max. rating]</li> <li>R Ag with magnetic blow out [50A max. rating]</li> <li>P Ag (50A max. rating]</li> <li>R Ag with magnetic blow out [50A max. rating]</li> <li>P Adj (50A max. rating)</li> <li>P Adj (6.35mm) QC for main contacts, #6-32 screw term. for aux. switch</li> <li>P Adj (6.35mm) QC for main contacts, .250" (6.35mm) Q</li></ul>	Α	AC, 50/60Hz	D DC						
<ul> <li>G .312" (7.92mm) dia. AgCdO [30A max. rating]</li> <li>F .312" (7.92mm) dia. AgCdO [50A max. rating]</li> <li>A gwith magnetic blowout [20A DC max. rating]</li> <li>A gwith magnetic blowout [20A DC max. rating]</li> <li>J AgCdO with magnetic blowout [20A DC max. rating]</li> <li>N W stationary &amp; AgCdO movable [25A max. rating]</li> <li>N W stationary &amp; AgCdO movable [25A max. rating]</li> <li>P Ag [50A max. rating]</li> <li>R Ag with magnetic blow out [50A max. rating]</li> <li>P Ag [50A max. rating]</li> <li>R Ag with main contact arrangement code 1, 5, 7 or 11 only, and Termination code 0 or A only.</li> <li>9) Available with Main contact arrangement code 3, 7 or 11 only.</li> <li>9) Available with Main contact arrangement code 3, 7 or 11 only.</li> <li>9) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> </ul> Termination PRD types only <ul> <li>P #8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>1 .250" (6.35mm) QC for main contacts, #6-32 screw term. for coil.</li> <li>1 .250" (6.35mm) QC for main contacts, #6-32 screw term. for coil.</li> <li>9) Available with accept #6 - #14 wire for main acontacts, #6-32 screw term. for coil.</li> <li>9) Available with accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>9) Available with max switch) types only</li> <li>10 Available with max switch) types only</li> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>9) Available with max. switch) types only</li> <li>A #8-32 screw term. for main contacts, 250" (6.35mm) QC for coil and aux. switch</li> <li>2.50" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>2.50" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>2.50" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> </ul>	Main con	tact material and type							
<ul> <li>F .312" (7.92mm) dia. AgCdO [50A max. rating] <sup>9</sup></li> <li>H Ag with magnetic blowout [20A DC max. rating] <sup>9</sup></li> <li>J AgCdO with magnetic blowout [20A DC max. rating] <sup>9</sup></li> <li>V stationary &amp; AgCdO movable [25A max. rating] <sup>9</sup></li> <li>P Ag [50A max. rating] <sup>9</sup></li> <li>R Ag with magnetic blow out [50A max. rating] <sup>9</sup></li> <li>e Ag with magnetic blow out [50A max. rating] <sup>9</sup></li> <li>A waitable with Main contact arrangement code 1, 5, 7 or 11 only, and Termination code 0 or A only.</li> <li>Avaitable with Main contact arrangement code 3, 7 or 11 only.</li> <li>Avaitable with Main contact arrangement code 1, 5, 7 or 11 only.</li> <li>Avaitable with Main contact arrangement code 3 only, and Termination code 4 only.</li> </ul> <b>Termination PRD types only</b> <ul> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>1 .250" (6.35mm) QC for main contacts and coil (VDE approved Termination code)</li> <li>3 #8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>4 Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil. <sup>6</sup> (6) Available with Main contact arrangement code 3 only, and Main contacts, #6-32 screw term. for aux. switch <b>Box</b> (with aux. switch) types only <ul> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for coil. <sup>6</sup></li> <li>Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> </ul></li></ul>	Y	.312" (7.92mm) dia. Ag [25A max. rating							
<ul> <li>H Ag with magnetic blowout [20A DC max. rating] <sup>3</sup></li> <li>J AgCdO with magnetic blowout [20A DC max. rating]</li> <li>W V stationary &amp; AgCdO movable [25A max. rating] <sup>4</sup></li> <li>P Ag [50A max. rating] <sup>5</sup></li> <li>R Ag with magnetic blow out [50A max. rating] <sup>6</sup></li> <li>2) Available with Main contact arrangement code 1, 5, 7 or 11 only, and Termination code 0 or A only.</li> <li>3) Available with Main contact arrangement code 3, 7 or 11 only</li> <li>4) Available with Main contact arrangement code 3, 7 or 11 only.</li> <li>5) Available with Main contact arrangement code 3, 7 or 11 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> <li>6) #8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>1 .250" (6.35mm) QC for main contacts and coil (VDE approved Termination code)</li> <li>3 #8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>4 Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil. <sup>6)</sup></li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> <li>PRDA (with aux. switch) types only</li> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for coil. screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, coil and aux. switch</li> <li>Coil voltage</li> </ul>	G	.312" (7.92mm) dia. AgCdO [30A max. r	ating]						
<ul> <li>J AgCdO with magnetic blowout [20A DC max. rating]</li> <li>N W stationary &amp; AgCdO movable [25A max. rating] <sup>4</sup></li> <li>P Ag [50A max. rating] <sup>9</sup></li> <li>R Ag with magnetic blow out [50A max. rating] <sup>9</sup></li> <li>2) Available with Main contact arrangement code 1, 5, 7 or 11 only, and Termination code 0 or A only.</li> <li>3) Available with Main contact arrangement code 3, 7 or 11 only.</li> <li>4) Available with Main contact arrangement code 3, 7 or 11 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> <li><b>Termination</b></li> <li>PRD types only</li> <li>0 #8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>1 .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil.</li> <li>4 Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> <li><b>PRDA (with aux. switch) types only</b></li> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>Coil voltage</li> </ul>	F	.312" (7.92mm) dia. AgCdO [50A max. r	ating] <sup>2)</sup>						
<ul> <li>N W stationary &amp; AgCdO movable [25A max. rating]<sup>4</sup></li> <li>P Ag [50A max. rating]<sup>9</sup></li> <li>R Ag with magnetic blow out [50A max. rating]<sup>9</sup></li> <li>2) Available with Main contact arrangement code 1, 5, 7 or 11 only, and Termination code 0 or A only.</li> <li>3) Available with Main contact arrangement code 3, 7 or 11 only.</li> <li>4) Available with Main contact arrangement code 1, 5, 7 or 11 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> </ul> Termination <b>PRD types only</b> <ul> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>1 .250" (6.35mm) QC for main contacts, and coil (VDE approved Termination code)</li> <li>3 #8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>4 Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> </ul> PRDA (with aux. switch) types only <ul> <li>A #8-32 screw term. for main contacts, coil and aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> </ul>	н	Ag with magnetic blowout [20A DC may	. rating] <sup>3)</sup>						
<ul> <li>P Ag [50A max. rating] <sup>(b)</sup></li> <li>R Ag with magnetic blow out [50A max. rating] <sup>(c)</sup></li> <li>2) Available with Main contact arrangement code 1, 5, 7 or 11 only, and Termination code 0 or A only.</li> <li>3) Available with Main contact arrangement code 1, 5, 7 or 11 only.</li> <li>4) Available with Main contact arrangement code 3, 7 or 11 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> <li><b>Termination</b></li> <li><b>PRD types only</b></li> <li>0 #8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>1 .250" (6.35mm) QC for main contacts and coil (VDE approved Termination code)</li> <li>3 #8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>4 Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> <li><b>PRDA (with aux. switch) types only</b></li> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>Coil voltage</li> </ul>	J	AgCdO with magnetic blowout [20A DC	max. rating]						
<ul> <li>R Ag with magnetic blow out [50A max. rating] <sup>6</sup>)</li> <li>2) Available with Main contact arrangement code 1, 5, 7 or 11 only, and Termination code 0 or A only.</li> <li>3) Available with Main contact arrangement code 3, 7 or 11 only</li> <li>4) Available with Main contact arrangement code 1, 5, 7 or 11 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> </ul> <b>Termination PRD types only</b> <ul> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>.250" (6.35mm) QC for main contacts and coil (VDE approved Termination code)</li> <li>#8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contact s, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contact s, #6-32 screw term. for coil. <ul> <li>Box lug term. which accept #6 - #14 wire for main contact s, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contact s, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contact s, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contact s, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contact s, #6-32 screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, coil and aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, coil and aux. switch</li> <li>L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> </ul></li></ul>	N	W stationary & AgCdO movable [25A m	ax. rating] 4)						
<ul> <li>2) Available with Main contact arrangement code 1, 5, 7 or 11 only, and Termination code 0 or A only.</li> <li>3) Available with Main contact arrangement code 3, 7 or 11 only.</li> <li>4) Available with Main contact arrangement code 1, 5, 7 or 11 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> </ul> <b>Termination PRD types only</b> <ul> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>.250" (6.35mm) QC for main contacts, and coil (VDE approved Termination code)</li> <li>#8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> </ul> <b>PRDA (with aux. switch) types only</b> <ul> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for coil, screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> </ul>									
<ul> <li>3) Available with Main contact arrangement code 3, 7 or 11 only</li> <li>4) Available with Main contact arrangement code 1, 5, 7 or 11 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> <li><b>Termination</b> <ul> <li>PRD types only</li> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>1. 250" (6.35mm) QC for main contacts and coil (VDE approved Termination code)</li> <li>3. #8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>4. Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> </ul> </li> <li><b>PRDA (with aux. switch) types only</b> <ul> <li>A. #8-32 screw term. for main contacts, coil and aux. switch</li> <li>B250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>Coil voltage</li> </ul> </li> </ul>	R	Ag with magnetic blow out [50A max. ra	ting] <sup>5)</sup>						
<ul> <li>4) Available with Main contact arrangement code 1, 5, 7 or 11 only.</li> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> <li>Termination</li> <li>PRD types only</li> <li>0 #8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>1 .250" (6.35mm) QC for main contacts and coil (VDE approved Termination code)</li> <li>3 #8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>4 Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> <li>PRDA (with aux. switch) types only</li> <li>A #8-32 screw term. for main contacts, elignature and the contact material code P or R only.</li> <li>PRDA (with aux. switch) types only</li> <li>A #8-32 screw term. for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>Coil voltage</li> </ul>	2) Availal	ble with Main contact arrangement code 1, 5, 7 or	11 only, and Termination code 0 or A only.						
<ul> <li>5) Available with Main contact arrangement code 3 only, and Termination code 4 only.</li> <li>Termination <ul> <li>PRD types only</li> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>.250" (6.35mm) QC for main contacts and coil (VDE approved Termination code)</li> <li>#8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for accept #6 - #14 wire for main contacts and except #6 - #18 wire for main contacts and except #6 - #18 wire for main contacts, #6-32 screw term. for accept #6 - #18 wire for main contacts, #6-32 screw term. for accept #6 - #18 wire for main contacts, coil and aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, coil and aux. switch</li> <li>L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> </ul> </li> <li>Coil voltage</li> </ul>									
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 (VDE approved Termination code)         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) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.         PRDA (with aux. switch) types only         A       #8-32 screw term. for main contacts, #6-32 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									
<ul> <li>PRD types only</li> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>.250" (6.35mm) QC for main contacts and coil (VDE approved Termination code)</li> <li>#8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil. <sup>6)</sup></li> <li>Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> <li>PRDA (with aux. switch) types only</li> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil, screw term. for aux. switch</li> <li>B250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>L. Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>Coil voltage</li> </ul>			d Termination code 4 only.						
<ul> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil.</li> <li>.250" (6.35mm) QC for main contacts and coil (VDE approved Termination code)</li> <li>#8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil. <sup>6)</sup></li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> <li>PRDA (with aux. switch) types only</li> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil, screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, coil and aux. switch</li> <li>L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> </ul>									
<ol> <li>.250" (6.35mm) QC for main contacts and coil (VDE approved Termination code)</li> <li>#8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil. <sup>6)</sup></li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> <li>PRDA (with aux. switch) types only</li> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, coil and aux. switch</li> <li>L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> </ol>	PF								
<ul> <li>3 #8-32 screw term. for main contacts, .250" (6.35mm) QC for coil.</li> <li>4 Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil. <sup>6)</sup></li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> <li>PRDA (with aux. switch) types only</li> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for coil, screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> </ul>	0	,							
<ul> <li>4 Box lug term. which accept #6 - #14 wire for main contacts, #6-32 screw term. for coil. <sup>6</sup>)</li> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> <li>PRDA (with aux. switch) types only</li> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for coil, screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> </ul>	1	· /							
<ul> <li>6) Available with Main contact arrangement code 3 only, and Main contact material code P or R only.</li> <li>PRDA (with aux. switch) types only</li> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for coil, screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, coil and aux. switch</li> <li>L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>Coil voltage</li> </ul>	3	,	· · · · · · · · · · · · · · · · · · ·						
<ul> <li>PRDA (with aux. switch) types only</li> <li>A #8-32 screw term. for main contacts, #6-32 screw term. for coil, screw term. for aux. switch</li> <li>B .250" (6.35mm) QC for main contacts, coil and aux. switch</li> <li>L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>Coil voltage</li> </ul>	-								
<ul> <li>#8-32 screw term. for main contacts, #6-32 screw term. for coil, screw term. for aux. switch</li> <li>B250" (6.35mm) QC for main contacts, coil and aux. switch</li> <li>L. Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>Coil voltage</li> </ul>	6) Availat	ble with Main contact arrangement code 3 only, an	d Main contact material code P or R only.						
<ul> <li>B .250" (6.35mm) QC for main contacts, coil and aux. switch</li> <li>L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch</li> <li>Coil voltage</li> </ul>									
L Twin .250" (6.35mm) QC for main contacts, .250" (6.35mm) QC for coil and aux. switch Coil voltage	Α								
Coil voltage	В								
5		. ,	sts, .250" (6.35mm) QC for coil and aux. switch						
Coil code: please refer to coil versions table	Coil volta	ige							
	Co	bil code: please refer to coil versions table							

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# 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		Aq	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			1201/10	QC	1-1393128-1
PRD-5AY0-240			240VAC	Screw	1393128-7
PRD-5DF0-12		AgCdO, 50A	12VDC	Gelew	2-1423100-4
PRD-5DY0-12		Agodo, sox	12000		1-1393128-6
PRD-5DY0-24		Ag	24VDC	_	1-1393128-7
	2 form A, 2 NO	AgCdO, 30A	120VAC	_	
PRD-7AG0-120	2 IOTTI A, 2 NO			_	9-1393129-5
PRD-7AY0-24		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		Aq	24VAC		2-1393127-9
PRD-11AY0-120		Ŭ Ŭ	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		, (geae), ee, (	110VDC	-	2-1423100-9
PRD-11DG0-12		AgCdO, 30A	12VDC	_	3-1393127-5
PRD-11DG0-24		, (godo, co, (	24VDC	-	3-1393127-8
PRD-11DH0-12		Ag, mag blowout	12VDC		4-1393127-7
PRD-11DH0-24		, ig, mag blowout	24VDC		4-1393127-9
PRD-11DH0-48			48VDC		5-1393127-0
PRD-11DH0-40			110 VDC	-	4-1393127-6
			24 VDC	_	
PRD-11DJ0-24		AgCdO, mag blowout	12 VDC		5-1393127-5
PRD-11DY0-12		Ag	-		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	Met	al dust cover enclosure	5-1393158-2
		(12.7) + (52.3) + (17.45) + (2.36) + (17.45) + (2.36) +	3.13 MAX. (79.5) .97 (24.64) .3.38 MAX. (85.9) .88 DIA. KNOCKOUT HOLES (22.4) KNOCKOUT HOLES KNOCKOUT HOLES EACH END

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Catalog and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section. Catalog and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at <u>http://relays.te.com/definitions</u>

Catalog product data, 'Definitions' section, application notes and all specifications are subject to change.