

Power Defense Molded Case Circuit Breakers—Frame Size 4



Contents

Description	Page
Power Defense Molded Case Circuit Breakers	
Frame Size 1 (15–125 A)	V4-T2-22
Frame Size 2 (15–225 A)	V4-T2-29
Frame Size 3 (45–600 A)	V4-T2-42
Frame Size 4 (300–800 A)	
Catalog Number / Product Selection	V4-T2-58
Accessories	V4-T2-63
Dimensions and Weights	V4-T2-69
Frame Size 5 (320–1200 A)	V4-T2-70
Frame Size 6 (700–2500 A)	V4-T2-79
Motor Circuit Protectors (3–600 A)	V4-T2-87
Motor Protection Circuit Breakers (15–600 A)	V4-T2-98
Terminals, Lugs and Connectors	V4-T2-104
Communications and Software	V4-T2-127
Special Applications	V4-T2-129

Power Defense Molded Case Circuit Breakers—Frame Size 4

Product Description

Frame Size 4 covers a range of 300 A through 800 A with a complete offering of trip units, including PXR electronic trip units and fixed-adjustable thermal-magnetic trip units. PD-4 is available in a single 800 A frame.

Application Description

Frame Size 4 can be used to meet a wide range of circuit protection and power distribution needs, including ground fault protection and 100% UL ratings. PXR trip units in PD-4 provide all levels of protection, including energy metering with multiple communication schemes, breaker health indication and arc flash reduction options.

Features and Benefits

Frame Size 4 breakers are modular and available as complete breakers from the factory or as modular components, including frames, trip units, accessories and terminals to provide flexibility for customers. PXR trip units are available with advanced features to provide customers unparalleled situational awareness of their electrical system.

Standards and Certifications

Power Defense breakers are designed and tested to meet stringent requirements for:

- UL
- CSA
- IEC (CE)
- CB (CCC)



2.2

Molded Case Circuit Breakers

Power Defense Molded Case Circuit Breakers

Catalog Number / Product Selection

2

Power Defense—Frame Size 4 (300–800 A)

Frame Size 4 covers a range of 320 A through 800 A using electronic trip units, and 300 A through 800 A using thermal-magnetic trip units. It is available in configurations of 2-pole, 3-pole and 4-pole, with the 2-pole being in the same physical size of a 3-pole variant.

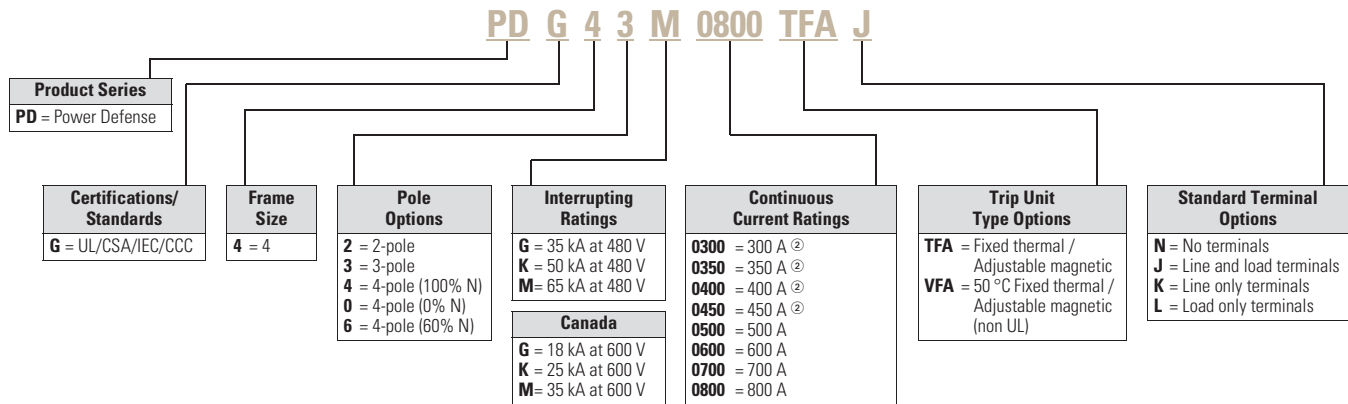
Interrupting Ratings

	G		K		M	
ANSI (UL/CSA)	kA rms		kA rms		kA rms	
240 Vac	65		85		100	
480 Vac	35		50		65	
600 Vac	18		25		35	
250 Vdc ①	22		22		25	
IEC	I _{cu}	I _{cs}	I _{cu}	I _{cs}	I _{cu}	I _{cs}
240 Vac	55	55	85	85	100	100
380–415 Vac	36	36	50	50	70	53
440 Vac	30	22.5	35	35	50	40
480 Vac	25	20	35	22.5	50	30
525 Vac	20	16.5	25	20	30	25
660–690 Vac	8	4	10	5	15	7.5
250 Vdc ①	22	22	22	22	25	25

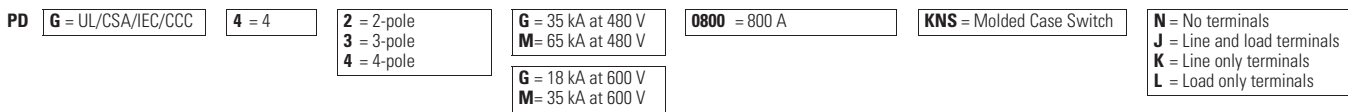
Power Defense—Frame Size 4 (300–800 A)

This information is presented as a tool to develop catalog numbers for selecting Power Defense circuit breakers and trip units.

Molded Case Circuit Breakers with Thermal-Magnetic Trip Units (TMTU)—Globally Rated



Molded Case Switches—Globally Rated ③



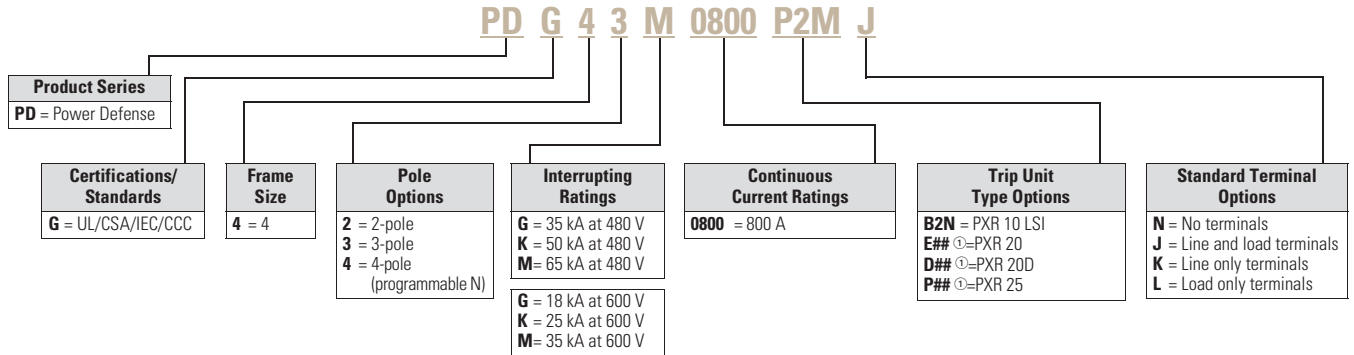
Notes

- ① DC ratings available in thermal-magnetic breakers only. 250 Vdc is achieved using 2 poles in series.
- ② Not available in 4-pole 60% neutral protection.
- ③ Molded case switch may open above 6000 A.

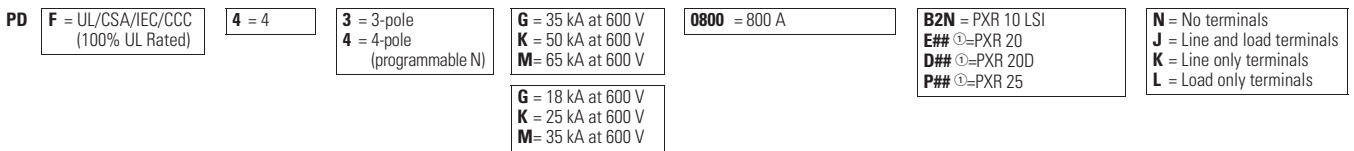
Molded Case Circuit Breakers with Power Xpert Release (PXR) Electronic Trip Units (ETU)

This information is presented as a tool to develop catalog numbers for selecting Power Defense circuit breakers and trip units.

Molded Case Circuit Breakers with PXR ETU—Globally Rated



Molded Case Circuit Breakers with PXR ETU—Globally Rated (100% UL Rated)

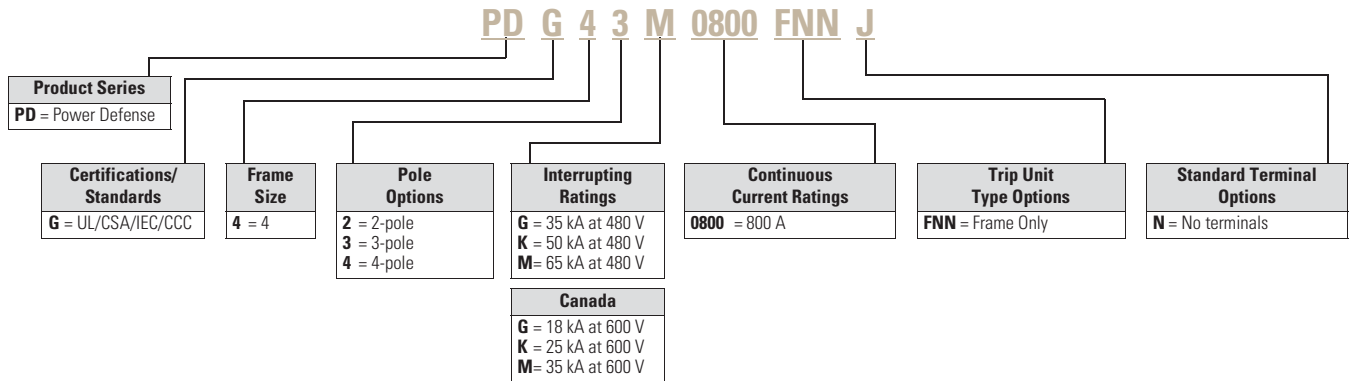


Globally Rated Frame Only

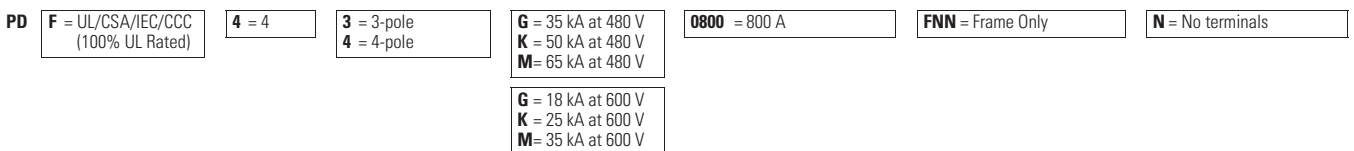
PD-4 thermal-magnetic and electronic breakers may also be purchased as separate frames, trip units, terminals and accessories for field configuration of a final breaker. Each Frame Only device is marked with interrupting ratings and a maximum continuous current rating; each trip unit is also marked with a maximum continuous current rating, which must not exceed that of the frame. Additionally, 100% UL Rated frames are marked as such on the Frame Only device.

This information is presented as a tool to develop catalog numbers for selecting Power Defense circuit breakers and trip units.

Frame Only—Globally Rated



Frame Only—Globally Rated (100% UL Rated)



Note

⊕ See tables and descriptions on **Page V4-T2-61** for protection type (#₁) and available configured options (#₂).

2.2

Molded Case Circuit Breakers

Power Defense Molded Case Circuit Breakers

2

Trip Units

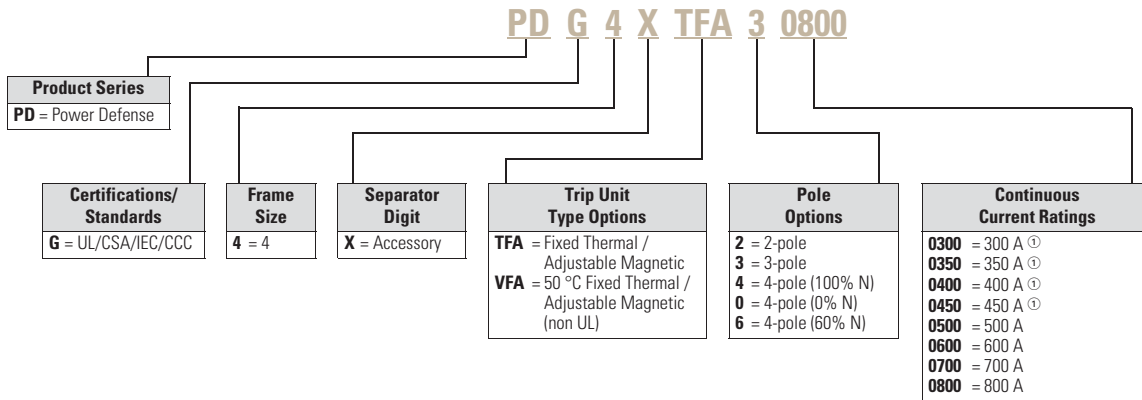
PD-4 thermal-magnetic and electronic breakers may also be purchased as separate frames, trip units, terminals and accessories for field configuration of a final breaker. For two-pole breakers using electronic trip units, three-pole trip units are used.

PDG designated trip units are for use with PDG and PDF breaker frames. The 100% rating for PDF (100% UL Rated) is marked on the frame, not the trip unit.

Trip Units Only

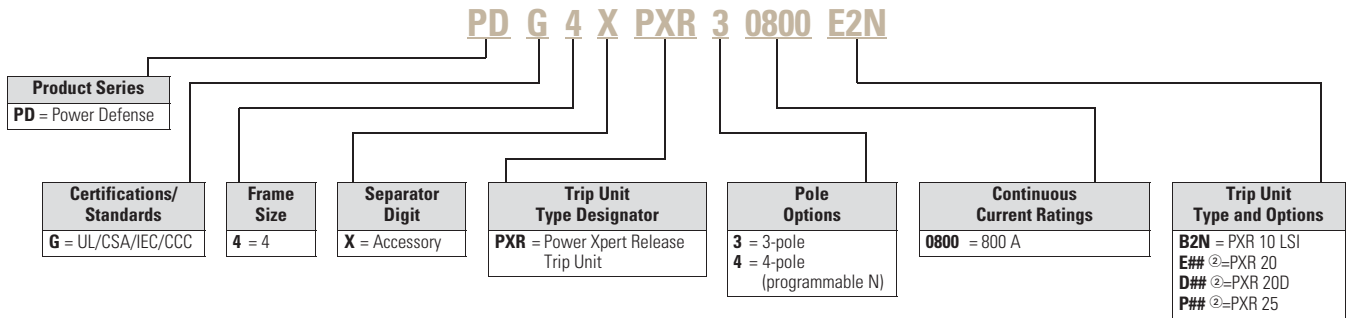
This information is presented as a tool to develop catalog numbers for selecting Power Defense circuit breakers and trip units.

Thermal-Magnetic Trip Units



Power Xpert Release (PXR) Electronic Trip Units

Power Xpert Release (PXR) Electronic Trip Units



Notes

- ① Not available in 4-pole 60% neutral protection.
- ② See tables and descriptions on **Page V4-T2-61** for protection type (#₁) and available configured options (#₂).

Power Xpert Release (PXR) Trip Unit Options—Frame Size 4

Power Xpert Release (PXR) Trip Unit Options

PXR	ETU	#(1)—Protection Type				#(2)—Available Configured Options								
		LSI	LSIG	LSI with ARMS	LSIG with ARMS	—	Relays	Relays Modbus	Relays	Relays	Relays Modbus	Relays	Relays Modbus	Relays Modbus
						—	—	—	ZSI	—	ZSI	—	ZSI	—
						—	—	—	—	CAM	—	CAM	CAM	CAM
PXR 10	B	2	—	—	—	N	—	—	—	—	—	—	—	—
PXR 20	E	2	—	—	—	N	R	M	Z	C	W	X	—	—
		—	3	4	5	—	R	M	Z	C	W	X	—	—
PXR 20D	D	2	3	4	5	—	—	M	—	—	W	—	D	Y
PXR 25	P	2	3	4	5	—	—	M	—	—	W	—	D	Y

Descriptions of PXR Configured Options

Relays—2 Form A contacts (rated for 240 Vac, 1 A)

- Interface: 3 wires (ALM1, ALM2, ALM Common)
- Programmable to indicate breaker conditions

Modbus—Modbus RTU directly from breaker

- Interface: 3 wires (MODBA, MODBB, MODBG)
- No additional modules required

ZSI—Zone Selective Interlocking

- Interface: 3 wires (Zin, Zout, Zcomm)
- Includes ability to turn ON and OFF, and indicate signals

CAM—CAM Link connection (requires a CAM module per breaker)

- Interface: 5 wires (refer to CAM IL for details)
- Communications Adapter Modules available for Modbus TCP and PROFIBUS

ARMS—Arcflash Reduction Maintenance System, or Maintenance Mode

- Available as trip unit Protection Type 4 or 5
- Interface: Switch and LED on face of trip unit and two wires for remote switch enable option (24 Vdc required)
- A programmable relay will be factory defaulted to remote indication of ARMS

Auxiliary Power

- Connection included with all PXR 20, 20D, and 25 trip units
- Required for communications, relays, and metering accuracy
- 24 Vdc, 0.5 A
- Interface: 2 wires (Aux +24 V, Aux 0 V)

Available Continuous Current (I_r) Settings on PXR Electronic Trip Units

Option	Setting	Catalog Number Selection and Maximum Setting (I _n)	
		800 A	
PXR 10, PXR 20	1	320 A	
	2	350 A	
	3	400 A	
	4	450 A	
	5	500 A	
	6	550 A	
	7	600 A	
	8	630 A	
	9	700 A	
	10 = I _n	800 A	
PXR 20D, PXR 25		Programmable from minimum to maximum values in 10 A increments.	

2.2

Molded Case Circuit Breakers

Power Defense Molded Case Circuit Breakers

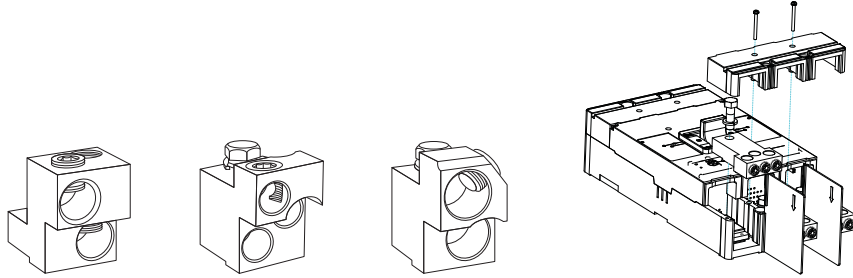
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Terminals—Frame Size 4

Catalog numbers shown are for a single side of a 3-pole breaker. For Frame Size 4, terminals are also available in single-pole kits; these are not available in 2-pole or 4-pole configurations, unless otherwise noted. For single terminals, replace **X3** with **X1** on the catalog number.

Example: PDG4**X3**TA800 becomes PDG4**X1**TA800 for a single unit.

Terminal Types



PDG4X3TA700 PDG4X3T600 PDG4X3TA700CW	PDG4X3TA800 PDG4X3TA800SW PDG4X3TA800CW	PDG4X3TA801 PDG4X3T800 PDG4X3TA801CW	PDG4X3TA800RF
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Note: Pictures are for reference only.

Terminals

Maximum Breaker Amperes	Terminal Body Type	Wire Type	Wire Class	Number of Conductors per Phase	AWG / kcmil Range per Conductor	Metric (mm ²) Range per Conductor	3-Pole Catalog Number	Included Accessories	Digit 14 Designation			Factory Config. Ampere Range
									Line and Load	Line Only	Load Only	
Standard Terminals												
700	Aluminum	Cu/Al	B, C	2	1–500	42.4–253	PDG4X3TA700	—	J	K	L	300–700
800	Aluminum	Cu/Al	B, C	3	3/0–400	85–203	PDG4X3TA800	—	J	K	L	800
Alternate Terminals												
800	Aluminum	Cu/Al	B, C	2	500–750	253–380	PDG4X3TA801	—	T	U	V	300–800
Non-Aluminum Terminals												
600	Aluminum	Cu	B, C	2	2/0–500	67.4–238	PDG4X3T600	—	W	Y	Z	300–600
800	Aluminum	Cu	B, C	3	3/0–300	85–152	PDG4X3T800	—	W	Y	Z	700–800
Strandable Terminals												
800	Aluminum	Cu/Al	B, C	3	3/0–400	85–203	PDG4X3TA800SW	—	A	B	C	300–800
			D, G, H, I, K, M		3/0–300	85–152						
Control Wire Terminals												
700	Aluminum	Cu/Al	B, C	2	1–500	42.4–253	PDG4X3TA700CW	—	1	2	3	300–700
800	Aluminum	Cu/Al	B, C	3	3/0–400	85–203	PDG4X3TA800CW	—	1	2	3	800
800	Aluminum	Cu/Al	B, C	2	500–750	253–380	PDG4X3TA801CW	—	4	5	6	300–800
Rear Fed Terminals												
800	Aluminum	Cu/Al	B, C	3	3/0–300	85–152	PDG4X3TA800RF	Interphase barriers	—	—	—	300–800
Rear Connectors												
800	—	—	—	—	—	—	PDG4X3T800RC	—	R	—	—	300–800
End Cap Kits/Screw Terminals												
800	—	—	—	—	—	—	PDG4X3TS800 ^①	—	S	D	E	300–800

Notes

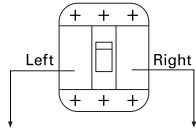
Wire capacity is based on standard imperial wire sizes; metric sizes provided in table are a direct conversion to demonstrate maximum capacity, not to denote metric wire sizes.



① End cap kits are available in 3-pole and 4-pole configurations only. For 4-pole, use catalog number **PDG4X4TS800**.

Accessories

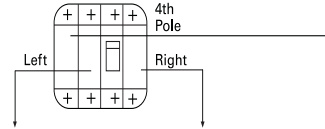
Internal Accessory Configurations—Frame Size 4



3-Pole Circuit Breakers



Tripping Accessory Options	Alarm Options (1–2 spaces) ^①	Aux Options (4 spaces)
None	None	None
Shunt Trip	1NO (1 space)	1NO (1 space)
	1NC (1 space)	1NC (1 space)
	1NO/1NC (2 spaces)	1NO/1NC (2 spaces)
	2NO (2 spaces)	2NO (2 spaces)
UVR	2NC (2 spaces)	2NC (2 spaces)
		2CO (4 spaces)
		4NO (4 spaces)
		4NC (4 spaces)

4-Pole Circuit Breakers



Tripping Accessory Options	Alarm Options (1–2 spaces) ^①	Aux Options (6 spaces)
None	None	None
Shunt Trip	1NO (1 space)	1NO (1 space)
	1NC (1 space)	1NC (1 space)
	1NO/1NC (2 spaces)	1NO/1NC (2 spaces)
	2NO (2 spaces)	2NO (2 spaces)
UVR	2NC (2 spaces)	2NC (2 spaces)
		2CO (4 spaces)
		4NO (4 spaces)
		4NC (4 spaces)
		3CO (6 spaces)
		6NO (6 spaces)
		6NC (6 spaces)

Note

^① Frame 4 Power Defense breakers with electronic trip units and communication only have access to one alarm space. Breakers with thermal-magnetic trip units or electronic trip units without communication, have access to two alarm spaces.

Alarm and Auxiliary Contact Blocks—Frame Size 4

Power Defense breakers have designated positions for alarm and auxiliary switches in the right pole accessory cavity. For Frame 4, the two left-most positions are used for alarm switches, and the two right-most locations are used for auxiliary switches.

Power Defense breakers have secondary covers for ease of field installation of accessories, including alarm and auxiliary switches.

Power Defense alarm and auxiliary switches are available in contact blocks, in Form A (NO), Form B (NC), and Form C (NO-NC) types. Form A and Form B contacts take one position in the breaker accessory cavity, and Form C contacts take two positions in the cavity. Identical contact blocks are used for the alarm and auxiliary switch functions.

Electronic breakers with communications options (Modbus RTU or CAM Link) lose one alarm switch position, but are also able to provide trip position via communications and the PXR programmable relays.

Contact Blocks

Pigtail (29 in / 0.75 m) Contact Blocks for Alarm and Auxiliary Switch Functionality

Catalog Number	PDGXAA	PDGXAB	PDGXAC
Type	Form A / NO	Form B / NC	Form C / NO-NC

Screw Terminal Contact Blocks for Alarm and Auxiliary Switch Functionality

Catalog Number	PDGXXA	PDGXXB	PDGXXA + PDGXXB
Type	Form A / NO	Form B / NC	For NO-NC, use two separate contact blocks

Push-In Clamp Contact Blocks for Alarm and Auxiliary Switch Functionality

Catalog Number	PDGXUA	PDGXUB	PDGXUC
Type	Form A / NO	Form B / NC	Form C / NO-NC

Pigtail (118 in / 3.0 m) Contact Blocks for Alarm and Auxiliary Switch Functionality

Catalog Number	PDGXDA	PDGXDB	PDGXDC
Type	Form A / NO	Form B / NC	Form C / NO-NC

Factory Installation of Alarm and Auxiliary Switches—Frame Size 4

Alarm and auxiliary switches are plug-and-play accessories designed to be field installable. However, Eaton also offers installation service in our factories.

Breaker catalog numbers with alarm and auxiliary switch combinations require a complete 20-digit catalog number, adding the alarm and

auxiliary switch functionality in digits 15–16 and adhering to the following conditions and tables:

- Digit 15 denotes the type of accessory(-ies) installed and the terminal types
- Switches may be requested for alarm only, auxiliary only or a combination of the two

- For Eaton factory installation, the same type of terminals (i.e., all pigtail 0.75 m, all screw, etc.) must be used. If a combination of alarm and auxiliary switches is selected, they must be the same type (i.e., all 1NC, all 1NO/1NC, etc.)
- Digit 16 denotes number and type (NO, NC) of switches installed
- If no other accessories are selected, use NNNN for the final 4 digits of the catalog number
- Electronic breakers with communications lose one alarm switch position in order to provide trip status via communications. They do not lose an auxiliary position for this purpose.

Pigtails—29 in / 0.75 m (A, B, C)

Alarm Switch	None	Auxiliary Switch Three-Pole								Four-Pole			
		None	1NO	1NC	1NO/1NC	2NO	2NC	2NO/2NC	4NO	4NC	3NO/3NC	6NO	6NC
None	NN	AA	AB	AC	AD	AE	A1	A2	A3	A4	A5	A6	
1NO	BA	CA	—	—	—	—	—	—	—	—	—	—	
1NC	BB	—	CB	—	—	—	—	—	—	—	—	—	
1NO/1NC	BC	—	—	CC	—	—	C1	—	—	C4	—	—	
2NO	BD	—	—	—	CD	—	—	C2	—	—	C5	—	
2NC	BE	—	—	—	—	CE	—	—	C3	—	—	C6	

Screw Terminals (X, Y, Z)

Alarm Switch	None	Auxiliary Switch Three-Pole								Four-Pole			
		None	1NO	1NC	1NO/1NC	2NO	2NC	2NO/2NC	4NO	4NC	3NO/3NC	6NO	6NC
None	NN	XA	XB	XC	XD	XE	X1	X2	X3	X4	X5	X6	
1NO	YA	ZA	—	—	—	—	—	—	—	—	—	—	
1NC	YB	—	ZB	—	—	—	—	—	—	—	—	—	
1NO/1NC	YC	—	—	ZC	—	—	Z1	—	—	Z4	—	—	
2NO	YD	—	—	—	ZD	—	—	Z2	—	—	Z5	—	
2NC	YE	—	—	—	—	ZE	—	—	Z3	—	—	Z6	

Push-In Clamps (U, V, W)

Alarm Switch	None	Auxiliary Switch Three-Pole								Four-Pole			
		None	1NO	1NC	1NO/1NC	2NO	2NC	2NO/2NC	4NO	4NC	3NO/3NC	6NO	6NC
None	NN	DA	DB	DC	DD	DE	D1	D2	D3	D4	D5	D6	
1NO	EA	FA	—	—	—	—	—	—	—	—	—	—	
1NC	EB	—	FB	—	—	—	—	—	—	—	—	—	
1NO/1NC	EC	—	—	FC	—	—	F1	—	—	F4	—	—	
2NO	ED	—	—	—	FD	—	—	F2	—	—	F5	—	
2NC	EE	—	—	—	—	FE	—	—	F3	—	—	F6	

2.2

Molded Case Circuit Breakers

Power Defense Molded Case Circuit Breakers

2

Factory Installation of Alarm and Auxiliary Switches—Frame Size 4

Pigtails—118 in / 3.0 m (D, E, F)

Alarm Switch	None	Auxiliary Switch Three-Pole									Four-Pole		
		None	1NO	1NC	1NO/1NC	2NO	2NC	2NO/2NC	4NO	4NC	3NO/3NC	6NO	6NC
	None	NN	UA	UB	UC	UD	UE	U1	U2	U3	U4	U5	U6
	1NO	VA	WA	—	—	—	—	—	—	—	—	—	—
	1NC	VB	—	WB	—	—	—	—	—	—	—	—	—
	1NO/1NC	VC	—	—	WC	—	—	W1	—	—	W4	—	—
	2NO	VD	—	—	—	WD	—	—	W2	—	—	W5	—
	2NC	VE	—	—	—	—	WE	—	—	W3	—	—	W6

Pigtails—29 in / 0.75 m (A, B, C)

Alarm Switch	None	Auxiliary Switch Three-Pole									Four-Pole		
		None	1NO	1NC	1NO/1NC	2NO	2NC	2NO/2NC	4NO	4NC	3NO/3NC	6NO	6NC
	None	NN	AA	AB	AC	AD	AE	A1	A2	A3	A4	A5	A6
	1NO	BA	CA	—	CF	CG	—	CP	CQ	—	CT	CU	—
	1NC	BB	—	CB	CH	—	CJ	CR	—	CS	CV	—	CW

Tripping Accessories—Frame Size 4

Power Defense breakers have designated positions for shunt trips and undervoltage releases (UVRs) in the left pole accessory cavity. Each breaker has space for one tripping accessory only.

Power Defense breakers have secondary covers for ease of field installation of tripping accessories.

Shunt Trips

Voltage	Screw Terminals	Pigtail (29 in / 0.75 m)	Pigtail (118 in / 3.0 m)
12 Vdc	PDG4XST12DCT	PDG4XST12DCS	PDG4XST12DCR
48 Vdc	PDG4XST48DCT	PDG4XST48DCS	PDG4XST48DCR
60 Vdc	PDG4XST60DCT	PDG4XST60DCS	PDG4XST60DCR
24 Vac/Vdc	PDG4XST24ACDCT	PDG4XST24ACDCS	PDG4XST24ACDCR
110–130 Vac/125 Vdc	PDG4XST130ACDCT	PDG4XST130ACDCS	PDG4XST130ACDCR
200–240 Vac/250 Vdc	PDG4XST250ACDCT	PDG4XST250ACDCS	PDG4XST250ACDCR
380–440 Vac	PDG4XST440ACT	PDG4XST440ACS	PDG4XST440ACR
480–525 Vac	PDG4XST525ACT	PDG4XST525ACS	PDG4XST525ACR
600 Vac	PDG4XST600ACT	PDG4XST600ACS	PDG4XST600ACR

Undervoltage Releases (UVRs)

Voltage	Screw Terminals	Pigtail (29 in / 0.75 m)	Pigtail (118 in / 3.0 m)
12 Vdc	PDG4XUV12DCV	PDG4XUV12DCU	PDG4XUV12DCW
24 Vdc	PDG4XUV24DCV	PDG4XUV24DCU	PDG4XUV24DCW
48 Vdc	PDG4XUV48DCV	PDG4XUV48DCU	PDG4XUV48DCW
60 Vdc	PDG4XUV60DCV	PDG4XUV60DCU	PDG4XUV60DCW
125 Vdc	PDG4XUV125DCV	PDG4XUV125DCU	PDG4XUV125DCW
250 Vdc	PDG4XUV250DCV	PDG4XUV250DCU	PDG4XUV250DCW
24 Vac	PDG4XUV24ACV	PDG4XUV24ACU	PDG4XUV24ACW
130 Vac	PDG4XUV130ACV	PDG4XUV130ACU	PDG4XUV130ACW
240 Vac	PDG4XUV240ACV	PDG4XUV240ACU	PDG4XUV240ACW
440 Vac	PDG4XUV440ACV	PDG4XUV440ACU	PDG4XUV440ACW
525 Vac	PDG4XUV525ACV	PDG4XUV525ACU	PDG4XUV525ACW
600 Vac	PDG4XUV600ACV	PDG4XUV600ACU	PDG4XUV600ACW

Note: Use PDG4XUV18DCW when using Time Delay UVR.

Factory Installed Tripping Accessories—Frame Size 4

Shunt trips and undervoltage releases (UVRs) are plug-and-play accessories designed to be field installable. However, Eaton also offers the service of installation in our factories.

Breaker catalog numbers with shunt trips or UVRs require a complete 20-digit catalog number, adding the tripping accessory functionality in digits 17 and 18 and adhering to the following conditions and tables.

- Digit 17 denotes the type of accessory installed and the terminal type
- Digit 18 denotes the voltage of the accessory
- If no additional accessories are selected, use NN for digits 15-16 and 19-20 of the catalog number
- Each breaker has space for one shunt trip or UVR tripping accessory only

Shunt Trips

Voltage	Screw Terminals	Pigtail (29 in / 0.75 m)	Pigtail (118 in / 3.0 m)
12 Vdc	TH	SH	RH
48 Vdc	TJ	SJ	RJ
60 Vdc	TK	SK	RK
24 Vac/Vdc	TN	SN	RN
110–130 Vac/125 Vdc	TP	SP	RP
200–240 Vac/250 Vdc	TR	SR	RR
380–440 Vac	TC	SC	RC
480–525 Vac	TD	SD	RD
600 Vac	TE	SE	RE

Undervoltage Releases (UVRs)

Voltage	Screw Terminals	Pigtail (29 in / 0.75 m)	Pigtail (118 in / 3.0 m)
12 Vdc	VH	UH	WH
24 Vdc	VG	UG	WG
48 Vdc	VJ	UJ	WJ
60 Vdc	VK	UK	WK
125 Vdc	VL	UL	WL
250 Vdc	VM	UM	WM
24 Vac	VF	UF	WF
130 Vac	VA	UA	WA
240 Vac	VB	UB	WB
440 Vac	VC	UC	WC
525 Vac	VD	UD	WD
600 Vac	VE	UE	WE

Note: Use suffix **US** for 18 Vdc when using Time Delay UVR.

Handle Mechanisms—Frame Size 4

2

Direct Rotary Handle Mechanism ①

Description	NEMA 1/12 Catalog Number	Factory Installed Digits 19–20
Standard lockable handle and mechanism	PDG4XHMCS	HA
Standard lockable handle and mechanism with door interlock	PDG4XHMCSN	HB
Standard lockable handle and mechanism with mechanical padlock	PDG4XHMCS P	HC
Standard lockable handle and mechanism with door interlock and mechanical padlock	PDG4XHMCSNP	HE
Emergency lockable handle and mechanism	PDG4XHMCE	H1
Emergency lockable handle and mechanism with door interlock	PDG4XHMCE N	H2
Emergency lockable handle and mechanism with mechanical padlock	PDG4XHMCE P	H3
Emergency lockable handle and mechanism with door interlock and mechanical padlock	PDG4XHMCE NP	H5

Variable Depth Rotary Handle Mechanism ①

Description	NEMA 1/3R/12/4/4X Catalog Number	Factory Installed Digits 19–20
Standard lockable handle and mechanism	PDG4XHMDS	DA
Standard lockable handle and mechanism with mechanical padlock	PDG4XHMDS P	DC
Emergency lockable handle and mechanism	PDG4XHMDE	D1
Emergency lockable handle and mechanism with mechanical padlock	PDG4XHMDE P	D3
9 in (245 mm) handle mechanism shaft	PDG34XHMS245	—
17 in (445 mm) handle mechanism shaft	PDG34XHMS445	—
Standard NFPA79-compliant shaft handle	PDG34XHM79S	—
Emergency NFPA79-compliant shaft handle	PDG34XHM79E	—

Flex Shaft Handle Mechanism

Cable Length (ft)	Metal Handle, NEMA 1/3R/12 Catalog Number	High Performance Handle, NEMA 1/3R/12 Catalog Number	Metal Handle, NEMA 4/4X Catalog Number	High Performance Handle, NEMA 4/4X Catalog Number
4	PDG4XFS04	PDG4XFS04HP	PDG4XFS04X	PDG4XFS04HPX
5	PDG4XFS05	PDG4XFS05HP	PDG4XFS05X	PDG4XFS05HPX
6	PDG4XFS06	PDG4XFS06HP	PDG4XFS06X	PDG4XFS06HPX
10	PDG4XFS10	PDG4XFS10HP	PDG4XFS10X	PDG4XFS10HPX

Note

① Standard handles are black and gray; Emergency handles are red and yellow.

Accessories—Frame Size 4**External Accessories**

Description	Fit Type	Catalog Number	Factory Installed Digits 19–20
Padlockable hasp	Top	PDG4XPLKT	L4
Padlockable hasp, OFF only	Top	PDG4XPLKTOFF	L1
Padlockable handle block	On handle	PDG4XPHB	—
Kirk lock provision—left side ^①	Left side	PDG4XKLKPSF	L8
Kirk lock provision—right side ^①	Right side		L9
Walking beam interlock ^{②③}	Two-, three-, and four-pole	PDG4XWBI234P	—
Electrical operator	24 Vdc	PDG4XROP24DC	RG
	48–60 Vdc	PDG4XROP60DC	RJ or RK
	125 Vdc	PDG4XROP125DC	RL
	250 Vdc	PDG4XROP250DC	RM
	110–130 Vac	PDG4XROP130AC	RA
	200–240 Vac	PDG4XROP240AC	RB
	380–440 Vac	PDG4XROP440AC	RC
Interphase barriers	Single-pole	PDG4XIB	—
	Three-pole	PDG4XIB3P	—
	Four-pole	PDG4XIB4P	—
Neutral CTs for ground fault (PXR)	Bus bar Type	PDG4XNCTB0800	—
Service entrance barrier kit	Three-pole	PRLSEBPD4	—

Base Mounting Hardware

Description	Catalog Number
Two-, three-, four-pole metric	BMH4M
Two-, three-, four-pole English	BMH4

Note: Base mounting hardware is included with a circuit breaker or molded case switch.

Dimensions and Weights—Frame Size 4**Approximate Dimensions in Inches (mm)**

Number of Poles	Width	Height	Depth
2	8.25 (209.6)	16 (406.4)	4.38 (111.2)
3	8.25 (209.6)	16 (406.4)	4.38 (111.2)
4	11.0 (279.4)	16 (406.4)	4.38 (111.2)

Approximate Shipping Weight in lb (kg)

Breaker Type	2-Pole	3-Pole	4-Pole
PDG4 800 A	30 (13.6)	30 (13.6)	39.9 (18.08)

Notes

- ① Provision only. For use with Type F Kirk keylock (sold separately). Bolt projection in withdrawn position is 0.375 in (9.525 mm).
- ② Breaker must be ordered with walking beam interlock ready modification from plant (factory suffix **WB**).
- ③ Requires two breakers.