

# The powerfully protected disconnect for every application



## Product description

Eaton's enclosed Power Defense™ circuit breakers provide a versatile and robust disconnect means to meet the needs of various applications. These enclosed circuit breakers ship fully assembled to reduce field labor and the potential for misplaced parts. They are available with either thermal-magnetic or electronic trip units with LSI or LSI<sup>2</sup> protection. Circuit breaker accessories and assembly modifications are also available.

## Features and benefits

- PXR 10 and PXR 20 electronic trip units available <sup>❶</sup>
- Padlockable in the OFF position standard <sup>❷</sup>
- NEMA® Type 1, 3R, 12, 4X enclosures <sup>❸</sup>
- Fully factory wired and assembled
- Ground fault protection available
- Modifications available: key interlock, special paint, auxiliary contacts, shunt trips, etc. <sup>❹</sup>

<sup>❶</sup> Modbus® and programmable relay available for PXR 20.

<sup>❷</sup> Lock ON provision optional.

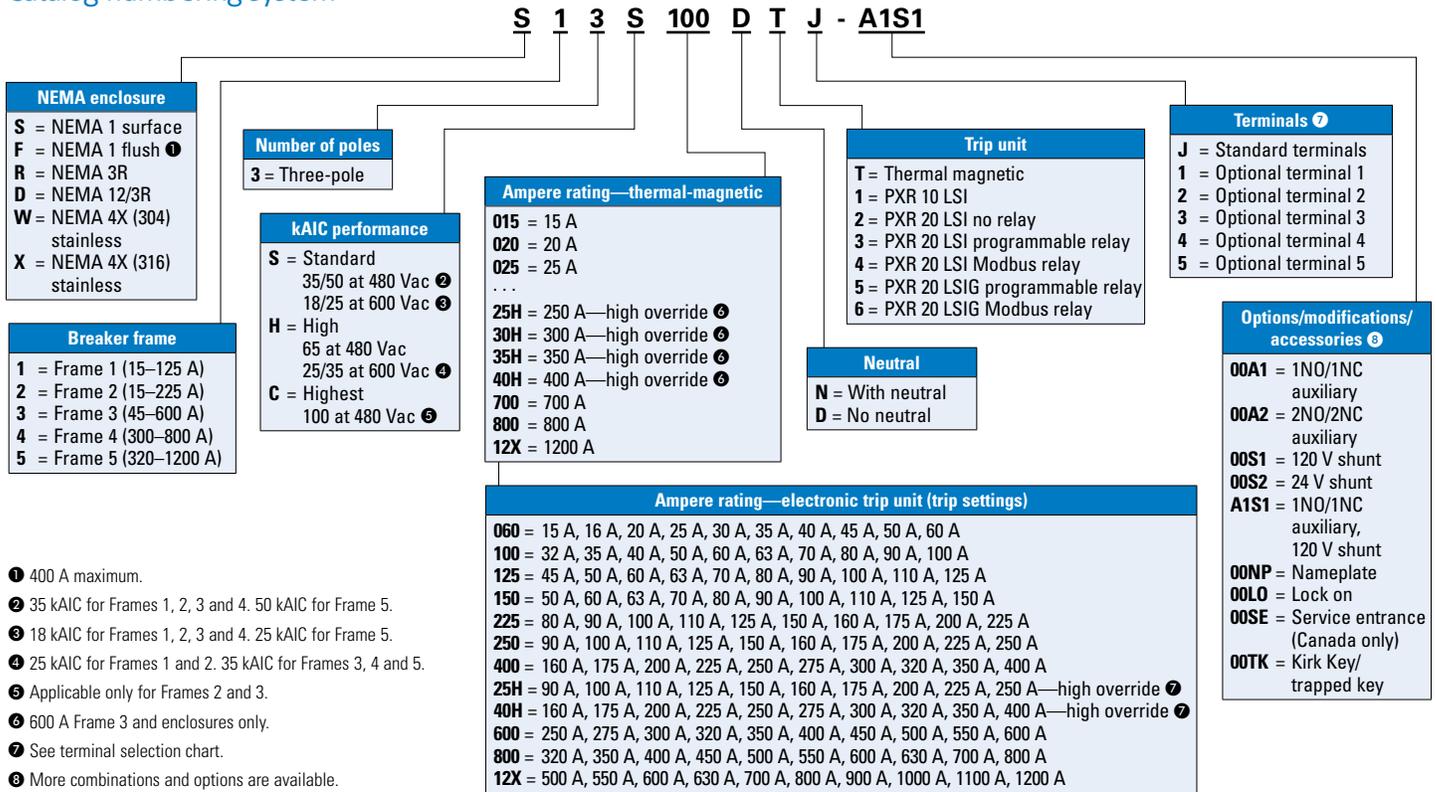
<sup>❸</sup> Flush mount available up to 400 A.

<sup>❹</sup> For additional requests or options, contact the Flex Center at 888-329-9272 or email [FlexSwitches@eaton.com](mailto:FlexSwitches@eaton.com).



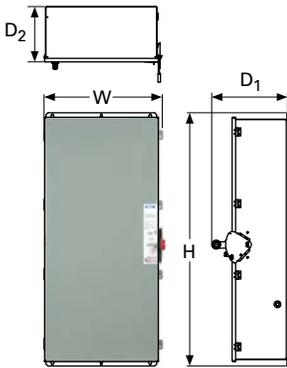
Powering Business Worldwide

## Catalog numbering system



- ① 400 A maximum.
- ② 35 kAIC for Frames 1, 2, 3 and 4. 50 kAIC for Frame 5.
- ③ 18 kAIC for Frames 1, 2, 3 and 4. 25 kAIC for Frame 5.
- ④ 25 kAIC for Frames 1 and 2. 35 kAIC for Frames 3, 4 and 5.
- ⑤ Applicable only for Frames 2 and 3.
- ⑥ 600 A Frame 3 and enclosures only.
- ⑦ See terminal selection chart.
- ⑧ More combinations and options are available.

## Dimensions in inches (mm)



Breaker frame	NEMA ratings	Maximum amperes	Height (H)	Width (W)	Depth (D1)	Depth (D2)
PD 1	NEMA 1	125	18.50 (469.9)	8.00 (203.2)	10.35 (262.9)	5.20 (132.1)
	NEMA 3R, 12, 4X	125	18.50 (469.9)	8.00 (203.2)	11.05 (280.7)	5.90 (149.9)
PD 2	NEMA 1	225	22.80 (579.1)	8.00 (203.2)	10.35 (262.9)	5.20 (132.1)
	NEMA 3R, 12, 4X	125	22.80 (579.1)	8.00 (203.2)	11.55 (293.4)	6.40 (162.6)
PD 3	NEMA 1, 3R, 12, 4X	400	38.10 (967.7)	10.60 (269.2)	14.85 (377.2)	9.70 (246.4)
	NEMA 1 (surface only), 3R, 12, 4X	600	49.90 (1267.5)	21.30 (541.0)	13.55 (344.2)	8.40 (213.4)
PD 4	NEMA 1 (surface only), 3R, 12, 4X	800	60.00 (1524.0)	20.80 (528.3)	18.15 (461.0)	13.00 (330.2)
	NEMA 1 (surface only)	1200	60.00 (1524.0)	20.80 (528.3)	18.15 (461.0)	13.00 (330.2)
PD 5	NEMA 1 (surface only)	1200	60.00 (1524.0)	27.80 (706.1)	18.15 (461.0)	13.00 (330.2)
	NEMA 3R, 12, 4X	1200	60.00 (1524.0)	27.80 (706.1)	18.15 (461.0)	13.00 (330.2)

## Terminal selection chart

### "J" standard terminal

Frame	Ampere rating	Size	Terminal kit catalog number
1	15–125	(1) 14–3/0	PDG1X3T125
		(1) 14–1/0	PDG2X3T100
2	15–100 110–225	(1) 4–4/0	PDG2X3TA225
		(1) 3–350	PDG3X3TA300
3	100–225 250–350 400 450–600	(1) 250–500	PDG3X3TA350
		(2) 3/0–250	PDG3X3TA400
		(2) 2–500	PDG3X3TA630
		(2) 1–500	PDG4X3TA700
4	300–700 800	(3) 3/0–400	PDG4X3TA800
		(3) 3/0–400	(3) PDG5X1TA1000
5	800 1200	(4) 4/0–500	(3) PDG5X1TA1200

**Eaton**  
 1000 Eaton Boulevard  
 Cleveland, OH 44122  
 United States  
 Eaton.com

### Optional terminals

Frame	Description	Size	Terminal kit catalog number
1	Option 1	(1) 14–1/0	PDG1X3TA125
2	Option 1	(1) 6–300	PDG2X3TA225K
	Option 2—copper	(1) 4–4/0	PDG2X3T225
3	Option 1—copper	(1) 3–350	PDG3X3T300
	Option 2—copper	(1) 250–500	PDG3X3T350
	Option 3—copper	(2) 3/0–250	PDG3X3T400
	Option 4—copper	(1) 500–750	PDG3X3T410H
	Option 5—copper	(2) 2–500	PDG3X3T630
4	Option 1	(2) 500–750	PDG4X3TA801
	Option 2—copper	(2) 2/0–500	PDG4X1T600
	Option 3—copper	(3) 3/0–300	PDG4X1T800
5	Option 1	(2) 1–500	(3) PDG5X1TA700
	Option 2	(3) 500–750	(3) PDG5X1TA1200
	Option 3—copper	(2) 2/0–500	(3) PDG5X1T700
	Option 4—copper	(3) 3/0–500	(3) PDG5X1T1000
	Option 5—copper	(4) 4/0–500	(3) PDG5X1T1200

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