



# Certificate of Compliance

**Certificate:** 2245143 **Master Contract:** 163545 (LR 43556)  
**Project:** 70208867 **Date Issued:** 2018-12-14  
**Issued to:** Eaton Corporation  
1000 Cherrington Pkwy  
Moon Township, Pennsylvania 15108  
USA  
**Attention:** Lou Grahor

*The products listed below are eligible to bear the CSA Mark shown*



**Issued by:** *Zhibin Li*  
Zhibin Li

## **PRODUCTS**

**CLASS - C143201 - CIRCUIT BREAKERS-Moulded Case Type**

Circuit breakers, moulded case type, ND-frame, Series C; Type ND, CND, HND, CHND, NDC, CNDC, NGS, NGS-C, E2N, NGH, NGH-C,NGC, NGC-C, 400-800A, 600-1200A, 600V ac, 2, 3 and 4 pole configurations; Type NDU and NGU, 400-800A, 600V ac, 2, 3 and 4 pole configurations. Type NHH, 150-350A, 600V ac, 2, 3 and 4 pole configurations

### Notes:

1. These circuit breakers may be marked with the following high current interrupting ratings in RMS symmetrical kilo amps.

Type	Interrupting Capacity (kA)		
	240V ac	480V ac	600V ac
ND, CND	65	50	25
HND, CHND	100	65	35
NDC,CNDC	200	100	65
NDU	300	150	75
NGS, NGS-C, E2N	65	50	25
NGH, NGH-C	100	65	35
NGC, NGC-C	200	100	65



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NGU	300	150	75
NHH	65	65	35

- When factory sealed, Types ND, CND, HND, CHND and NDC, CNDC, NDU, NGS, NGS-C, E2N, NGH, NGH-C, NGC, NGC-C, NGU circuit breakers are suitable for use with reversed line/load connections.
- Types ND, CND, HND, CHND and NDC, CNDC, NDU, NGS, E2N, NGH, NGC, NGU circuit breakers are supplied with Type NES solid state trip units and Digitrip Optim Trip Units.
- Type Digitrip 310 NES solid state trip units are non-interchangeable between the 800 and 1200A frame.
- Three pole devices are suitable for use on single phase ac circuits.
- The mechanism is trip free of the handle which assumes a mid-position between on and off upon automatic tripping.
- Types CND, CHND, CNDC, NGS-C, NGH-C and NGC-C circuit breakers are suitable for use at 100 percent rating.

Circuit breakers, moulded case type, Type PDG5K, PDG5M, PDG5N, PDG5P, PDF5K, PDF5M, PDF5N, PDF5P, PDJ5M and PDJ5T with a maximum rating of 800 A and 1200 A, 600Vac, in two, three and four pole configurations. Breaker trip unit, type PDG5, PDC5 for use with PDG5/PDF5/PDJ5 breakers.

Notes:

- Each circuit breaker frame has a factory-installed interchangeable electronic trip unit. The PXR-20 trip unit has adjustable digital switches for continuous current and time current characteristics. The PXR-20D/25 trip units have an LCD screen and buttons for continuous current and time current characteristics.
- The Type PDF5K, PDF5M, PDF5N and PDF5P breakers are marked for use at 100 percent continuous rating.
- The Type PD5 breakers are similar to the Type NG breakers except as outlined in the General Construction section. See table below for correlation between PD5 and NG breakers:

<u>PD5 Style</u>	<u>NG Style</u>
PDG5K/M	NGH
PDG5N/P	NGC
PDF5K/M	NGH-C
PDF5N/P	NGC-C
PDJ5M NHH	
PDJ5T NGU	

- The Type PDJ5M & PDJ5T breakers are identical to the PDG5P breaker except as outlined in the General Construction section.



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Breaker Type	Frequency Interrupting Capacity (kA)			
	Hz	240Vac	480Vac	600 V ac
PDG5K, PDF5K	50/60	85	50	25
PDG5M, PDF5M, PDJ5M	50/60	100	65	35
PDG5N, PDF5N	50/60	150	85	50
PDG5P, PDF5P	50/60	200	100	65
PDJ5T	50/60	200	150	65

5. The two pole construction is identical to the three pole version except for the removal of the current carrying parts in the center pole.
6. The four pole construction is identical to the three pole version except for the additional pole, and longer crossbar. All poles may be current sensing.
7. The 1200 A, 100 percent rated PDF5 breakers have the addition of extended conductors at each line and load phase conductor; and a barrier to separate these extended conductors.
8. The PDG5N/P are identical to the PDG5K/M described above, except for markings specific to PDG5N/PDF5N and PDG5P/PDF5P; Thermelac is sprayed on Items 2 and 3 of Figure 12 (Sec. 3); and Fig. 11B item 4A (Sec. 3) arc chute barrier is required
9. PDJ5T breaker is identical to the PDG5N/P breakers except for markings specific to the PDJ5T, line conductor assembly used (Fig. 7D, Sec. 3), and the alternate base and cover material, E-206 sheet molding compound with Thermelac is required.
10. PDJ5M breaker is identical to the PDG5N/P breakers except for markings specific to the PDJ5M, line conductor assembly used (Fig. 7D, Sec. 3), and the alternate base material, E-206 sheet molding compound with Thermelac is required.
11. For the trip unit PD5, Automatic tripping operation is accomplished by a trip actuator device, which is driven by an output signal from current sensors in each pole of the circuit breaker. Trip units can be factory or field installed and are interchangeable.

**APPLICABLE REQUIREMENTS**

CSA Std. C22.2 No. 5 - Moulded Case Circuit Breakers



## *Supplement to Certificate of Compliance*

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**Master Contract:** 163545 (042193\_0\_000)

*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70208867	2018-12-14	Update report 2245143 to cover PDG5K, PDG5M, PDG5N, PDG5P, PDF5K, PDF5M, PDF5N, PDF5P, PDJ5M and PDJ5T with a maximum rating of 800 A and 1200 A, 600Vac, in two, three and four pole configurations. Breaker trip unit, type PDG5, PDC5 for use with PDG5/PDF5/PDJ5 breakers.
70149278	2017-08-09	Update Report 2245143.Addition of alternate moulding material for conductor assembly insulator link
70133868	2017-05-04	Addition of E2N circuit breaker.Addition of alternate line and load conductor
2581583	2013-01-17	Addition of NGC-C,NGS-C and NGH-C Cat Nos
2348479	2010-10-07	Addition of NHH circuit breaker,Digitrip 310+ trip unit,Rosite 6060D moulding material
2245143	2010-01-05	Addition of new cat nos and alternate constructions