

Eaton OCPD

Fire pump rated overcurrent protection device



Powering Business Worldwide

Product Description

The OCPD provides an upstream means of disconnecting the incoming power from electric fire pump controllers (FPC). By utilizing the OCPD, the FPC can be fully isolated for additional site personnel safety.

Installation of the OCPD mitigates any arc flash risk in the fire pump controller.

The OCPD is acceptable for installation in the USA and is UL listed for fire pump service per the requirements of NFPA 20 section 9.2.3.4.1 and NEC (NFPA 70) section 695.4(B)(2)(a)(2) along with the requirements for the alternative (Source 2) circuit NEC (NFPA 70) section 695.3(F)(2).

Product Features

Enclosures

The OCPD come standard with UL type 2 (drip-proof) enclosures.

Flange mounted disconnect

Eaton's flange mounted disconnect that is lockable in both the open (OFF) and closed (ON) positions

Lockable latches

The enclosure features lockable quarter-turn handles on the Size 2-3, and Size 5 enclosures; reference the dimensional drawings for more information. The Size 6 enclosure uses a key lock handle.

Service entrance rated

Suitable for use as service entrance equipment in the USA.

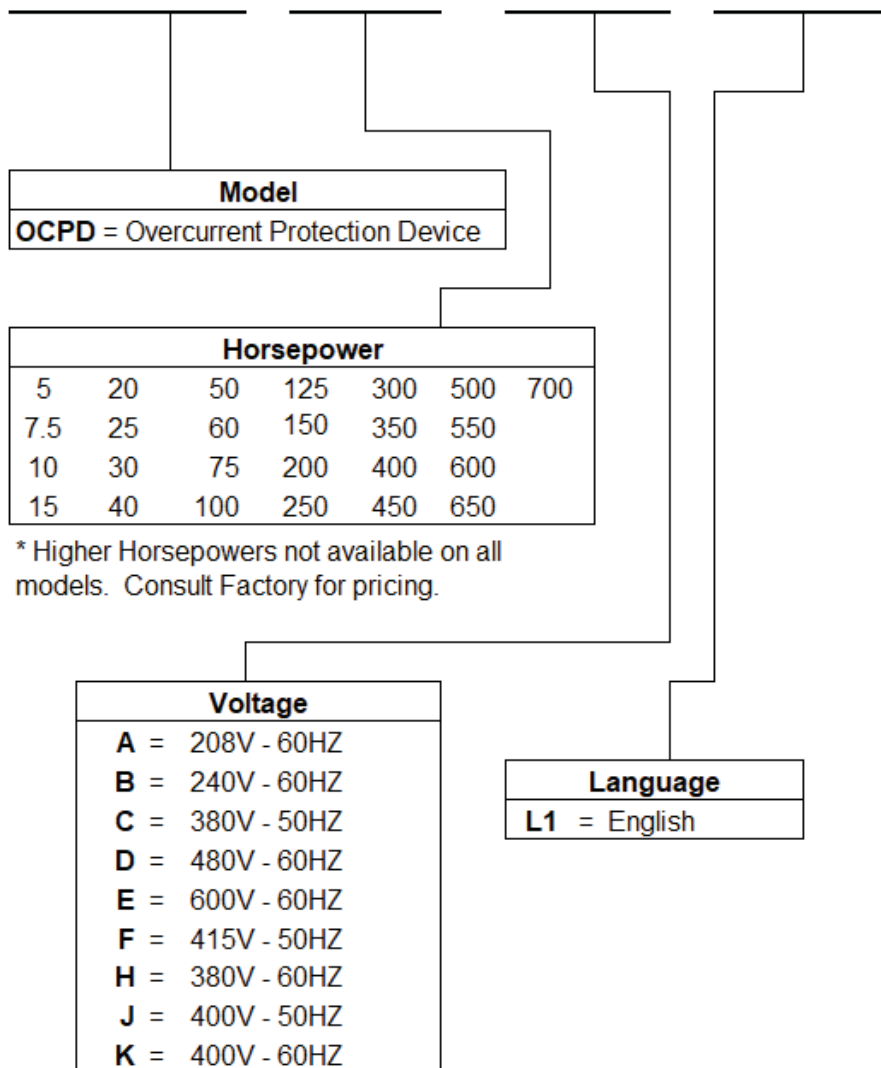
Standards & Certifications

The OCPD fire pump rated disconnect meet or exceed the requirements of Underwriters Laboratories and Underwriters Laboratories Canada [UL489] and are built to the latest edition of NEC (NFPA 70) and NFPA 20 standards. The OCPD is suitable for use as service entrance equipment - does not meet CEC requirements for Canada.

EPCT Fire option selection matrix

OCPD Overcurrent Protection Device - Part Number

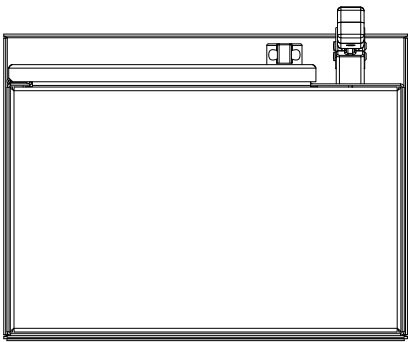
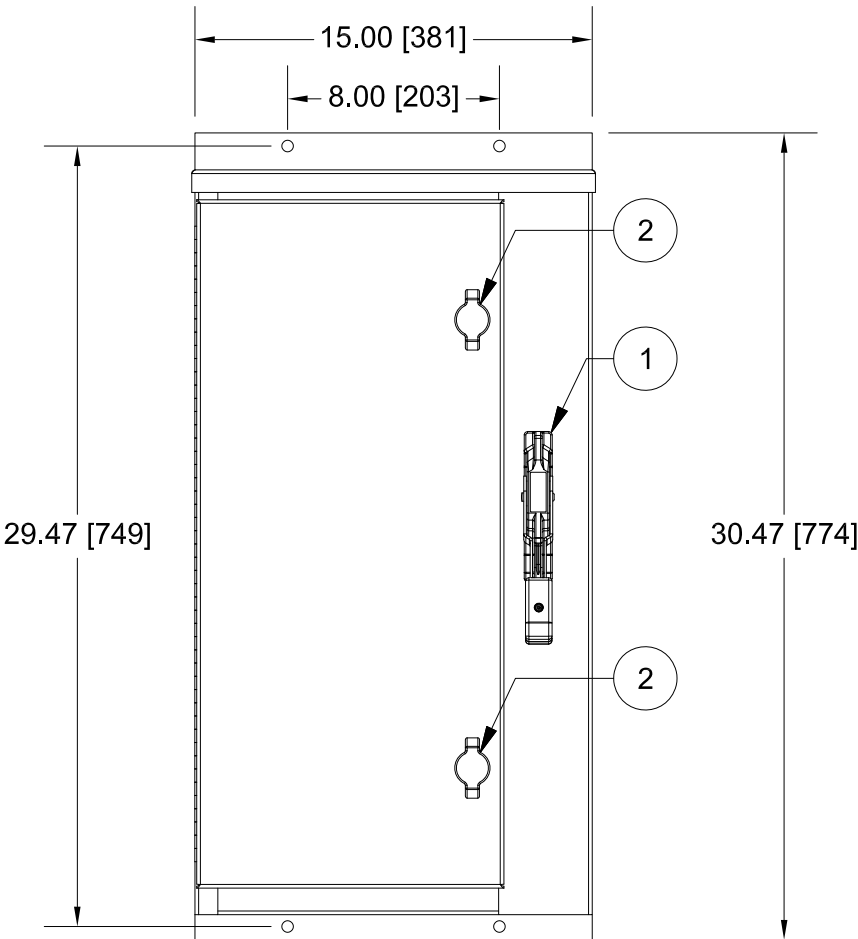
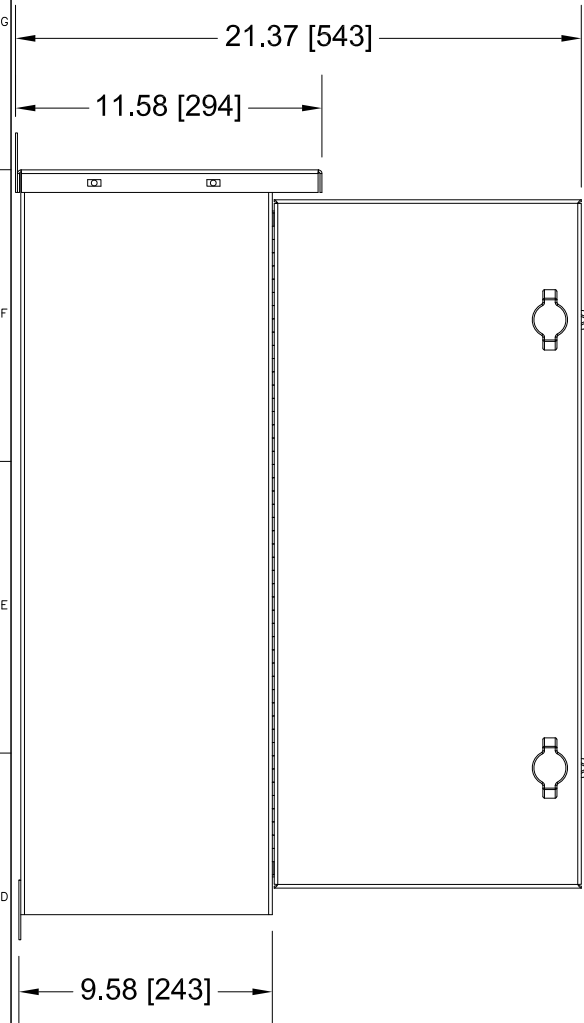
OCPD



* Only available on Limited Service Controllers



OCPD - OVERCURRENT PROTECTION DEVICE
DIMENSIONAL DRAWING - SIZE 2 & 3 - TYPE 2



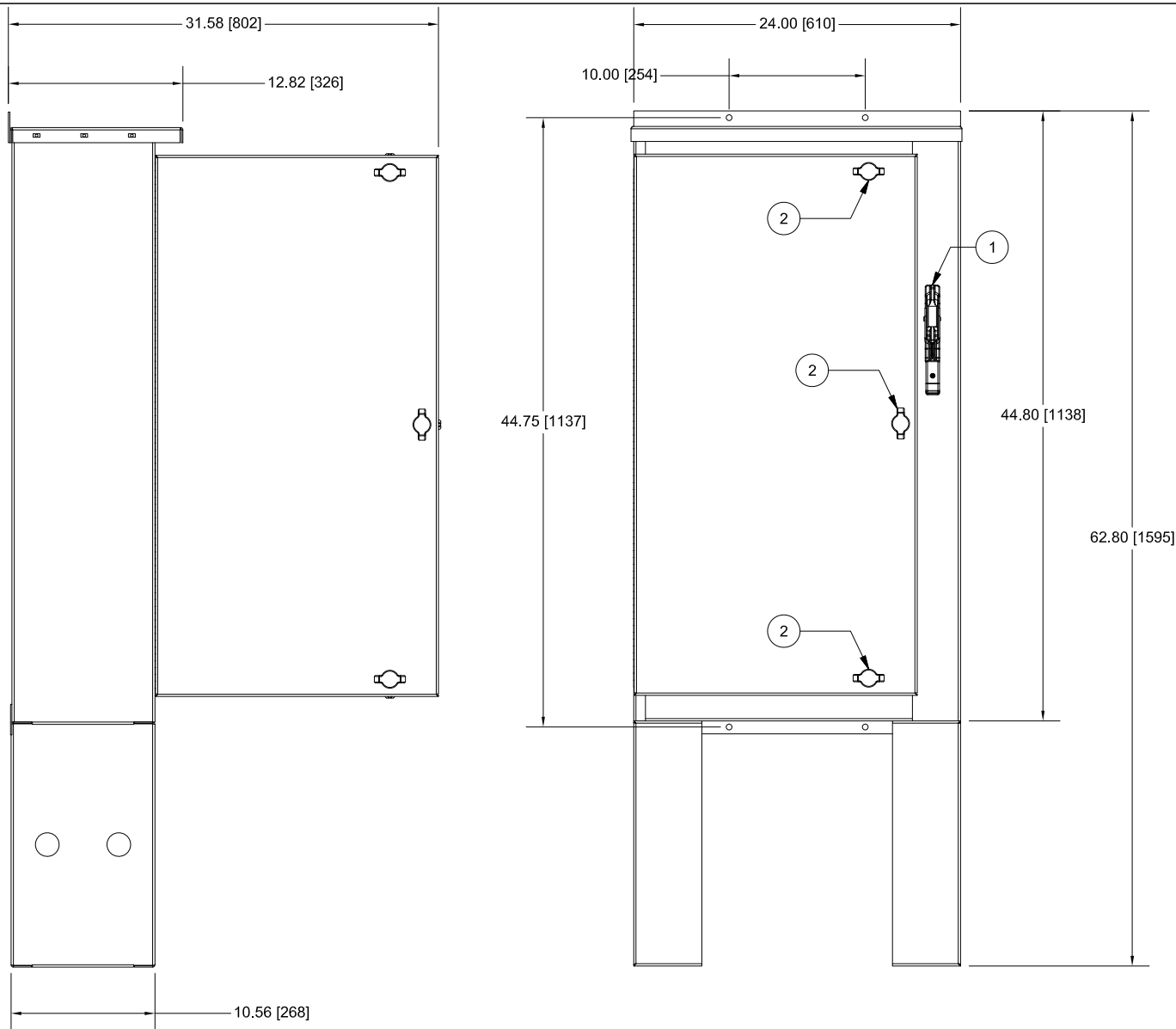
- 1 - DISCONNECT HANDLE
2 - LOCKABLE QUARTER-TURN

NOTES:
1 - DIMENSIONS: in [mm]
2 - ALL ENCLOSURES FINISHED IN RED
3 - STANDARD ENCLOSURE: TYPE (NEMA) 2

Motor HP	Line voltage	Withstand rating	
		Standard	High
5 - 60	200 - 208V	100,000	Consult factory
5 - 75	220 - 240V		
5 - 125	380 - 415V		
5 - 150	440 - 480V		
5 - 200	550 - 600V	35,000	Consult factory



OCPD - OVERCURRENT PROTECTION DEVICE DIMENSIONAL DRAWING - SIZE 5 - TYPE 2



- 1 - DISCONNECT HANDLE
2 - LOCKABLE QUARTER-TURN
- NOTES:
1 - DIMENSIONS: in [mm]
2 - ALL ENCLOSURES FINISHED IN RED
3 - STANDARD ENCLOSURE: TYPE (NEMA) 2

Motor HP	Line voltage	Withstand rating	
		Standard	High
75 - 150	200 - 208V	100,000	Consult factory
100 - 150	220 - 240V		
150 - 250	380 - 415V		
200 - 350	440 - 480V		
250 - 450	550 - 600V	35,000	Consult factory

THE INFORMATION ON THIS DOCUMENT IS CREATED BY EATON. IT IS DISCLOSED IN CONFIDENCE AND IS ONLY TO BE USED FOR THE PURPOSE IN WHICH IT IS SUPPLIED.
LES RENSEIGNEMENTS CI-DESSUS ONT ÉTÉ ÉLABORÉS PAR EATON, ILS VOUS SONT DIVULGUÉS EN TOUTE CONFIANCE ET LEUR UTILISATION SE LIMITE AUX SEULES FINS POUR LESQUELLES ILS VOUS SONT TRANSMIS.

REVISION
001

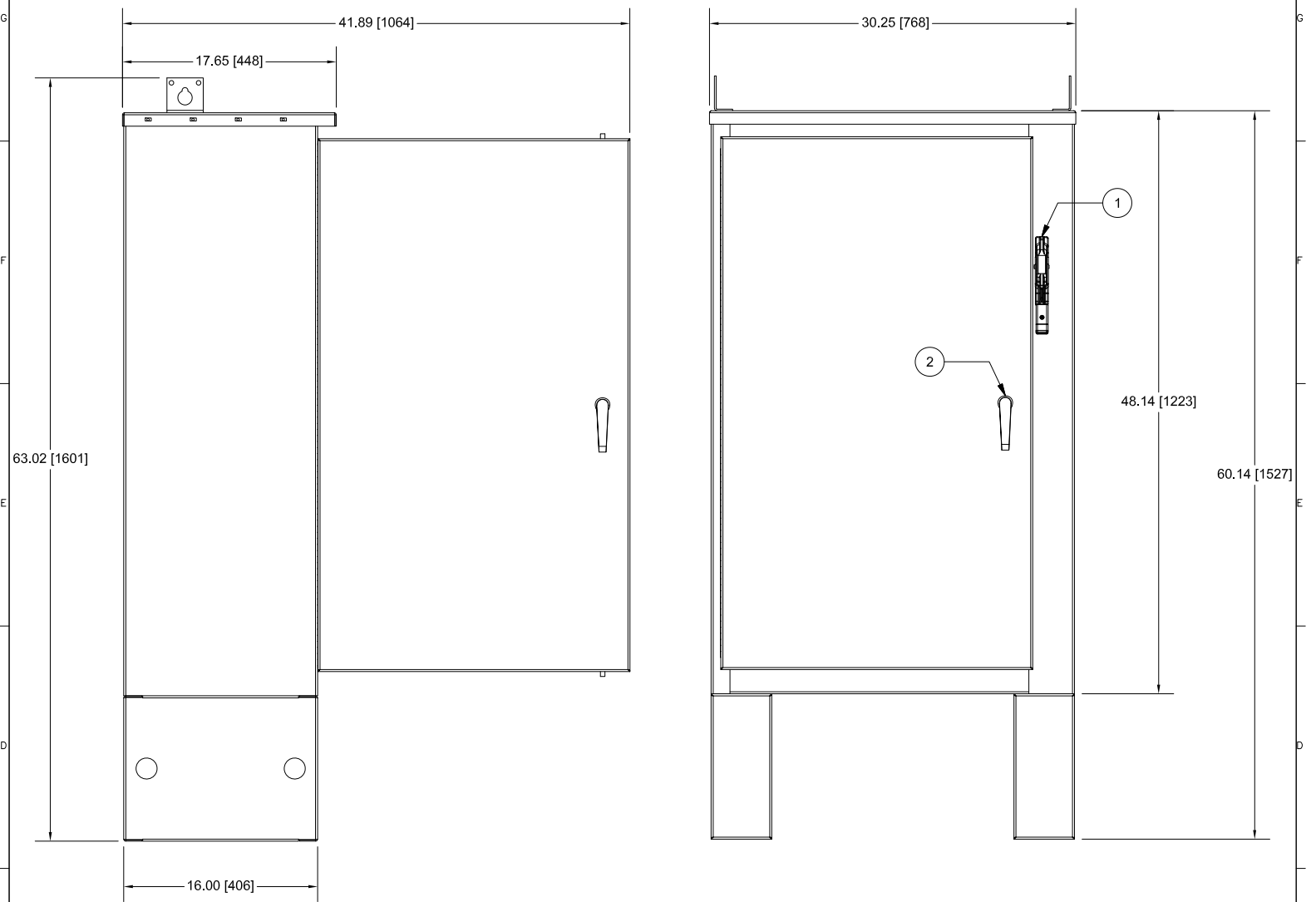
DATE
01/22/21

DRAWING NO.
CE16634H02



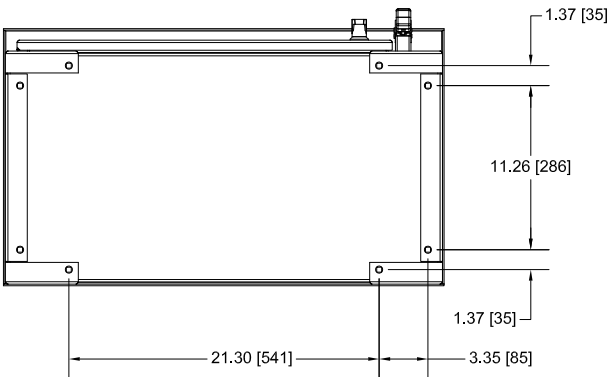
OCPD - OVERCURRENT PROTECTION DEVICE

DIMENSIONAL DRAWING - SIZE 6 - TYPE 2

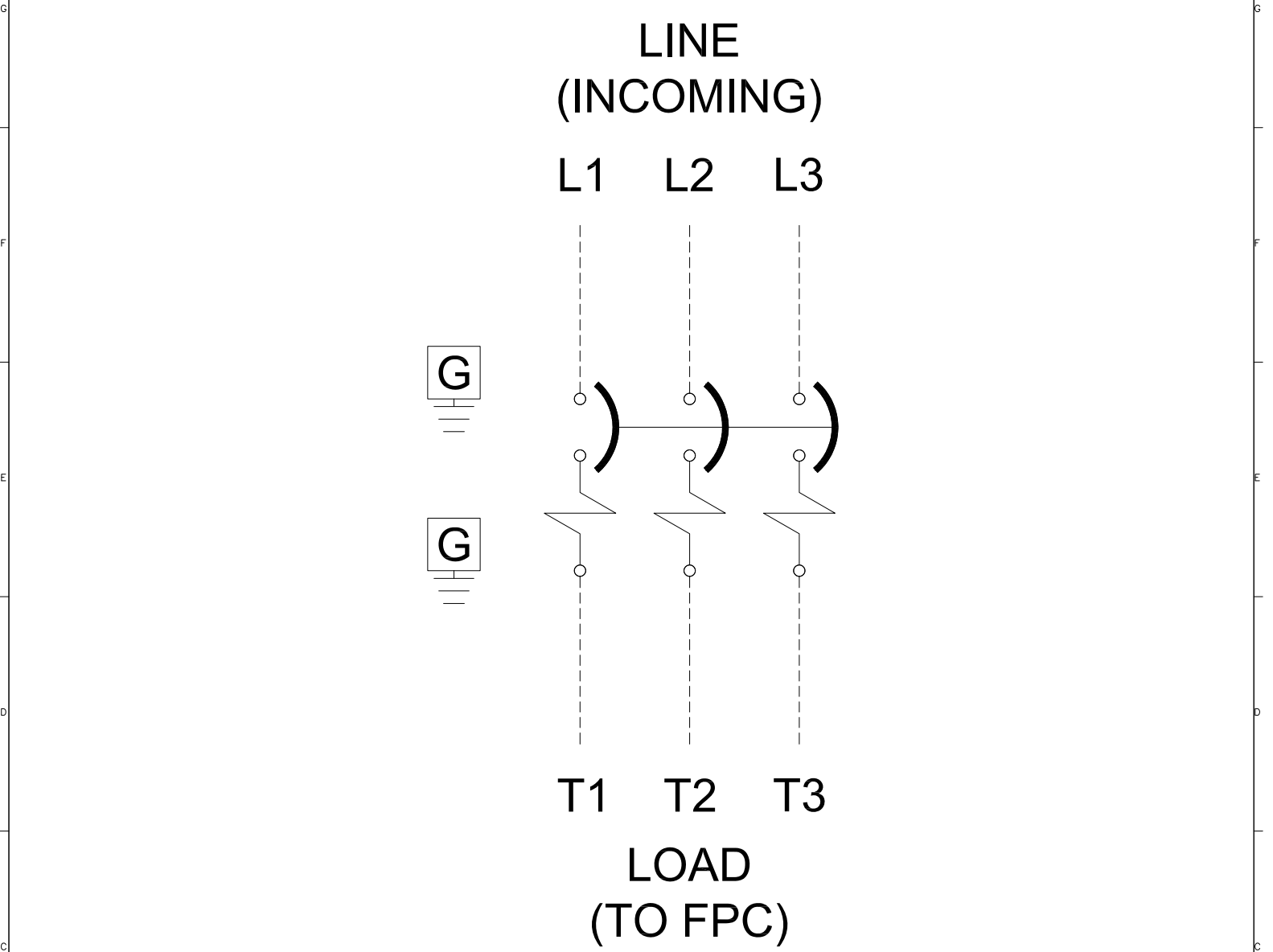


1 - DISCONNECT HANDLE
2 - LOCKABLE HANDLE

NOTES:
1 - DIMENSIONS: in [mm]
2 - ALL ENCLOSURES FINISHED IN RED
3 - STANDARD ENCLOSURE: TYPE (NEMA) 2



Motor HP	Line voltage	Withstand rating	
		Standard	High
200 - 250	200 - 208V	100,000	Consult factory
200 - 250	220 - 240V		
300 - 450	380 - 415V		
400 - 550	440 - 480V	35,000	Consult factory
500 - 700	550 - 600V		



Line & Load Terminals Connections

Line Voltage

	200-208	220-240	380-415	440-480	575-600	Line & Load Lugs (QTY.) & Cable Size per Ø	Service Ground Lugs (QTY.) & Cable Size per Ø
Max HP	5	7.5	10	15	20	(1) #14 - 1/0 (CU/AL)	(2) #14 - #2 (CU/AL)
	15	15	30	40	50	(1) #4 - 4/0 (CU/AL)	(2) #14 - #2 (CU/AL)
	40	50	75	100	125	(1) #3 - 350MCM (CU/AL)	(2) #14 - #2 & (1) #6 - 2/0 (CU/AL)
	60	75	125	150	200	(1) #2 - 500MCM (CU/AL)	(2) #4 - 350MCM (CU/AL)
	150	150	250	350	450	(4) #4 - 500MCM (CU/AL)	(2) #4 - 350MCM (CU/AL)
	250	250	450	550	700	(4) 500 - 1000MCM (CU/AL)	(4) 1/0 - 750MCM (CU/AL)

For ambient temperatures exceeding 30C (86F), the temperature rating of motor conductors is recommended to be a minimum of 90C (194F)

For proper cable size, refer to the National Electric Code (NEC - NFPA70)

OCPD fire pump rated disconnect

Typical specifications

1. Approvals
 - A. The OCPD shall meet the requirements of the latest edition of NEC (NFPA 70), NFPA 20 and shall be listed by [Underwriters Laboratories (UL)]for fire pump service.
2. Ratings
 - A. The OCPD shall have a withstand rating of 100,000 RMS symmetrical amperes @ [208V] [240V] [380V] [400V] [415V] [480V] [25,000 @ 600VAC].
3. Construction
 - A. The OCPD shall include a motor rated circuit breaker, mechanically interlocked and operated with a single externally mounted handle.
 - B. Grounding lugs in accordance with NEC requirements.
4. Enclosure
 - A. The controller shall be housed in a Type 2 (IEC IP11) drip-proof, powder baked finish, freestanding enclosure.
5. Manufacturer
 - A. The OCPD shall be manufactured by Eaton Corporation.



Powering Business Worldwide

Eaton

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

Electrical Sector
Canadian Operations
5050 Mainway
Burlington, ON L7L 5Z1
Canada
EatonCanada.ca
CHFire.com

© 2021 Eaton
All Rights Reserved
Printed in Canada
Publication No. BR124074EN / 001
May 2021

Eaton is a registered trademark.

All other trademarks are property
of their respective owners.

Follow us on social media to get the
latest product and support information.

