

INCH-POUND

MIL-DTL-29183/9B
13 March 2003
SUPERSEDING
MIL-P-29183/9A
24 May 1985

DETAIL SPECIFICATION SHEET

PANELBOARD, POWER DISTRIBUTION,
PORTABLE, WEATHERPROOF, TYPE I, CLASS 1,
CONFIGURATION 7: 480 OR 208 VOLT, 400 KILOWATT,
TERMINAL TYPE CONNECTORS

Inactive for new design after 13 March 2003

This specification is approved for use by all departments and agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of MIL-DTL-29183 listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation.

REQUIREMENTS: The distribution panel shall be as specified herein and in accordance with tables I and II, and figure 1.

Physical:

Weight: The weight shall not exceed 735 pounds (333 kilograms).

Dimensions (maximum):

Length: 70.5 inches (1791 millimeters (mm))

Width: 32.5 inches (826 mm)

Height: 32.5 inches (826 mm)

Stability: The vertical center of gravity shall be not more than 21.0 inches (533 mm) above level ground. Additional stability requirements shall apply in accordance with MIL-DTL-29183.

Electrical:

Input: The input to the distribution panel shall be 480 volt (V) or 208 V, 3-phase (ϕ), 4-pole (P), 5-wire (W), 60 Hertz (Hz).

Bus capacity: The bus bar capacities shall be 1200 amperes (A) (see figure 1).

Circuit breaker: The number of poles and current rating shall be as indicated in table I herein and the voltage rating shall be sufficient for the intended circuit.

PIN: The government part identification number (PIN) is as follows:

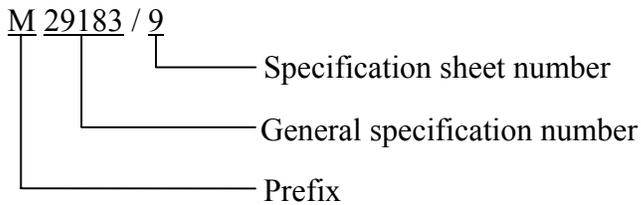


TABLE I. Circuit characteristics.

| Quantity | Circuit kind | Circuit breaker Pole (P) - Ampere (A) | Interface connector |
|----------|-------------------------------|---------------------------------------|---------------------|
| 2 | 480V or 208V, 3-phase, 4P, 5W | 3P-800A (without trip) | Terminals |
| 2 | 480V or 208V, 3-phase, 4P, 5W | 3P-400A (without trip) | Terminals |
| 6 | 480V or 208V, 3-phase, 4P, 5W | 3P-225A | Terminals |
| 2 | 480V or 208V, 3-phase, 4P, 5W | 3P-100A | Terminals |

TABLE II. Connector assignment and connector terminal wiring.

| Circuit | Function | Interface connector | Phase A, black wire | Phase B, red wire | Phase C, blue wire | Neutral, white wire | Ground, green (bare) wire |
|---------------------|----------|---|---------------------|-------------------|--------------------|---------------------|---------------------------|
| 1, 2 | Input | Pressure type, terminal block, 500 kcmil ¹ wire size capacity | T1 | T2 | T3 | T0 | G |
| 3, 4 | Input | Pressure type, terminal block, with two terminals for each phase and neutral, 500 kcmil ¹ wire size capacity | T1 | T2 | T3 | T0 | G |
| 5, 6, 7 8, 9, 10 | Branch | Pressure type, terminal block, 250 kcmil ¹ wire size capacity | L1 | L2 | L3 | L0 | G |
| 11, 12 | Branch | Pressure type, terminal block, minimum No. 1 AWG ² wire size capacity | L1 | L2 | L3 | L0 | G |

¹ 1000 (k) circular (c) mils (mil).² American wire gauge.

Custodian:
Navy - YD

Preparing Activity:
DLA - GS2

(Project 6110-0443-009)

Review Activity:
Navy - MC

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| 3. DOCUMENT TITLE PANELBOARD, POWER DISTRIBUTION, PORTABLE, WEATHERPROOF, TYPE I, CLASS 1, CONFIGURATION 7: 480 OR 208 VOLT, 400 KILOWATT, TERMINAL TYPE CONNECTORS | | | |
| 4. NATURE OF CHANGE (<i>Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.</i>) | | | |
| 5. REASON FOR RECOMMENDATION | | | |
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| c. ADDRESS (<i>Include Zip Code</i>) ATTN: DSCR-VBD (C. Hammond) 8000 Jefferson Davis Highway Richmond, VA 23297-5610 | | IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: DEFENSE STANDARDIZATION PROGRAM OFFICE (DLSC-LM) 8725 John J. Kingman Road, Suite 2533 Fort Belvoir, VA 22060-6221 Commercial: (703) 767-6888 DSN: 427-6888 | |