

**INCH-POUND**

MIL-DTL-29183/16A  
13 March 2003  
SUPERSEDING  
MIL-P-29183/16  
18 June 1990

## DETAIL SPECIFICATION SHEET

PANELBOARD, POWER DISTRIBUTION,  
PORTABLE, WEATHERPROOF, TYPE I, CLASS 1,  
CONFIGURATION 1: 208Y/120 VOLT, 60 KILOWATT

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. Required accessory equipment shall be as specified in table III.

### Physical:

**Weight:** The weight shall not exceed 105 pounds (48 kilograms).

### Dimensions (maximum):

Length: 25.0 inches (635 millimeters (mm))

Width: 16.0 inches (406 mm)

Height: 20.0 inches (508 mm)

### Electrical:

**Input:** The input to the distribution panel shall be 208Y/120 volt (V), 3-phase ( $\emptyset$ ), 4-pole (P), 5-wire (W), 60 Hertz (Hz).

Bus capacity: The bus bar capacities shall be 200 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:

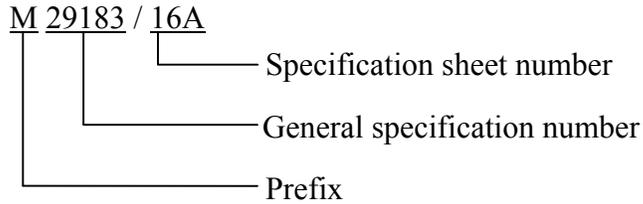


TABLE I. Circuit characteristics.

Quantity	Circuit kind	Circuit breaker Pole (P) - Ampere (A)	Interface connector <sup>1</sup>
1	208Y/120V, 3-phase, 5W	3P-200A	MS90558C52412P
4	208Y/120V, 3-phase, 5W	3P-60A	MS90555C32412S
12	120V, 1-phase, 3W	1P-20A	NEMA L5-20R <sup>2</sup>

<sup>1</sup> Connector designations are military part numbers for military type connectors conforming to MIL-C-22992. See MIL-DTL-29183.

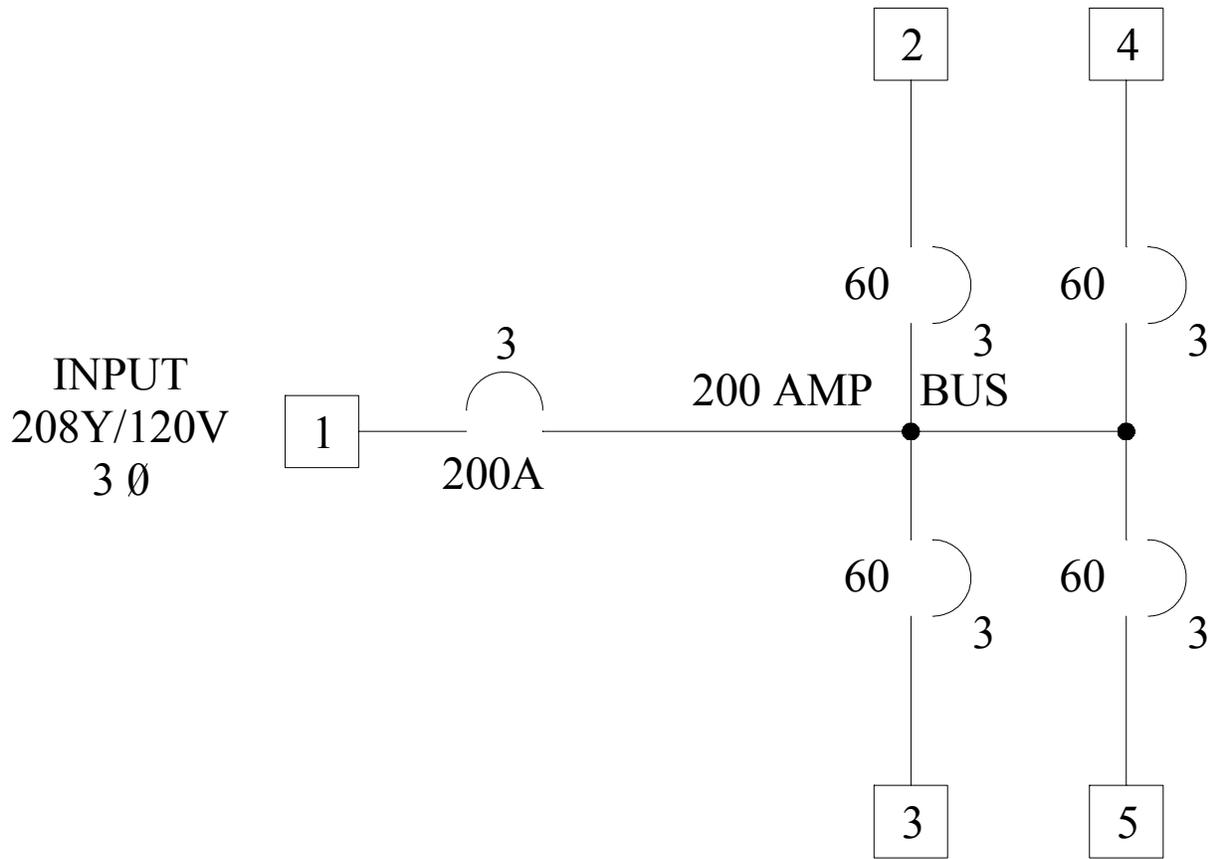


FIGURE 1. Single-line wiring diagram.

TABLE II. Connector assignment and connector terminal wiring.

Circuit	Function	Interface connector <sup>1</sup>	Phase A, black wire	Phase B, red wire	Phase C, blue wire	Neutral, white wire	Ground, green (bare) wire
1	Input	MS90558C52412P	A	B	C	N	G1, G2, G3, G4
2, 3, 4, 5	Branch	MS90555C32412S	A	B	C	N	G

<sup>1</sup> Connector designations are military part numbers for military type connectors conforming to MIL-C-22992. See MIL-DTL-29183.

TABLE III. Required accessory equipment.

Item	Quantity	Description	Military part number <sup>1</sup>
1	1	MIL-C-22992, class L, 200A wall mount, plug, with coupling ring, connector	MS90558C52412P
2	1	Protective cover (plug) for item 1	MS90564-11C
3	4	MIL-C-22992, class L, 60A, wall mount socket receptacle	MS90555C32412S
4	4	Protective receptacle cover for item 3	MS90563-3C

<sup>1</sup> Designations are military part numbers for military type connectors conforming to MIL-C-22992. See MIL-DTL-29183.

Custodians:  
Army - CR4  
Navy - YD

Preparing Activity:  
DLA - GS2  
  
(Project 6110-0443-011)

Review Activities:  
Navy - MC, MS

# STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

## INSTRUCTIONS

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<b>I RECOMMEND A CHANGE:</b>	<b>1. DOCUMENT NUMBER</b> MIL-DTL-29183/16A	<b>2. DOCUMENT DATE (YYYYMMDD)</b> 20030313
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**3. DOCUMENT TITLE**  
 PANELBOARD, POWER DISTRIBUTION, PORTABLE, WEATHERPROOF, TYPE I, CLASS 1, CONFIGURATION 1: 208Y/120 VOLT, 60 KILOWATT

**4. NATURE OF CHANGE** *(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)*

**5. REASON FOR RECOMMENDATION**

**6. SUBMITTER**

<b>a. NAME</b> <i>(Last, First, Middle Initial)</i>	<b>b. ORGANIZATION</b>	
<b>c. ADDRESS</b> <i>(Include Zip Code)</i>	<b>d. TELEPHONE</b> <i>(Include Area Code)</i> (1) Commercial (2) DSN <i>(if applicable)</i>	<b>7. DATE SUBMITTED</b> (YYYYMMDD)

**8. PREPARING ACTIVITY**

<b>a. NAME</b> Defense Supply Center Richmond	<b>b. TELEPHONE</b> <i>(Include Area Code)</i> Commercial: (804) 279-5019 DSN: 695-5019	
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