

INCH-POUND

MIL-DTL-23928/8C  
28 November 2012  
SUPERSEDING  
MIL-DTL-23928/8B  
4 April 2004

DETAIL SPECIFICATION SHEET

PANEL, ELECTRICAL, MANUAL TRANSFER FOR DOUBLE AQB-A252, AQB-A253, NQB-A250,  
CIRCUIT BREAKERS, DRIPPROOF, TOTALLY ENCLOSE AND WATERTIGHT

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 [MIL-DTL-23928](#).

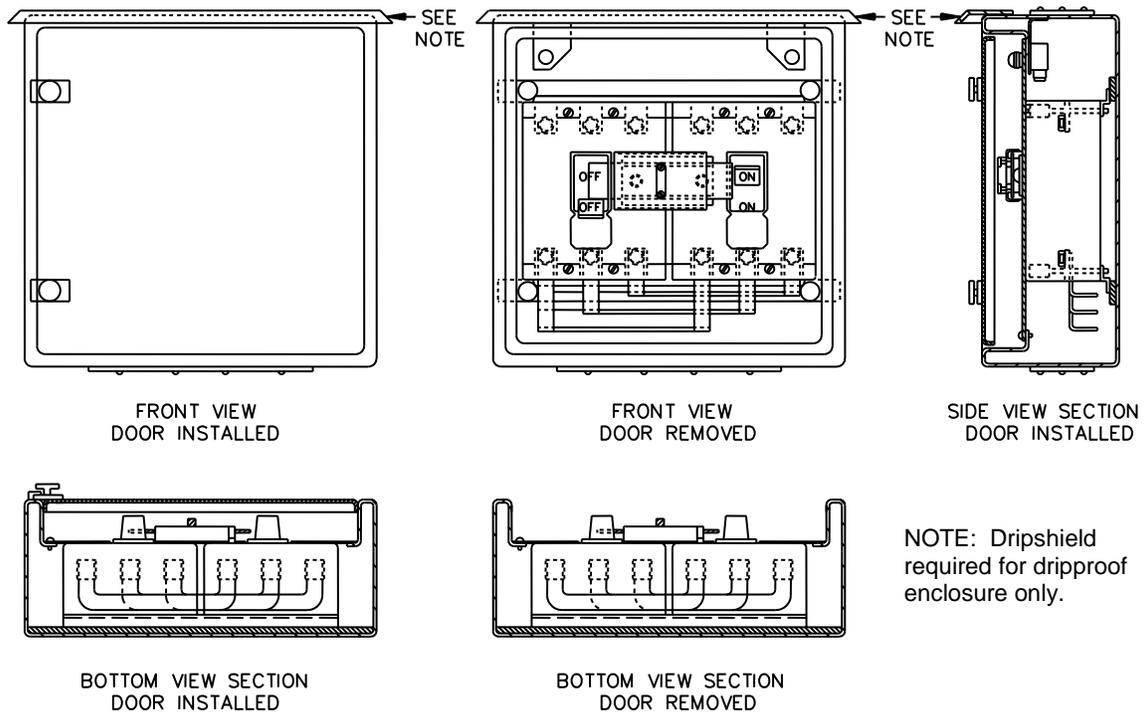


FIGURE 1. Manual transfer panel for double AQB-A252, AQB-A253, NQB-A250 circuit breakers, totally enclosed and dripproof enclosure (typical).

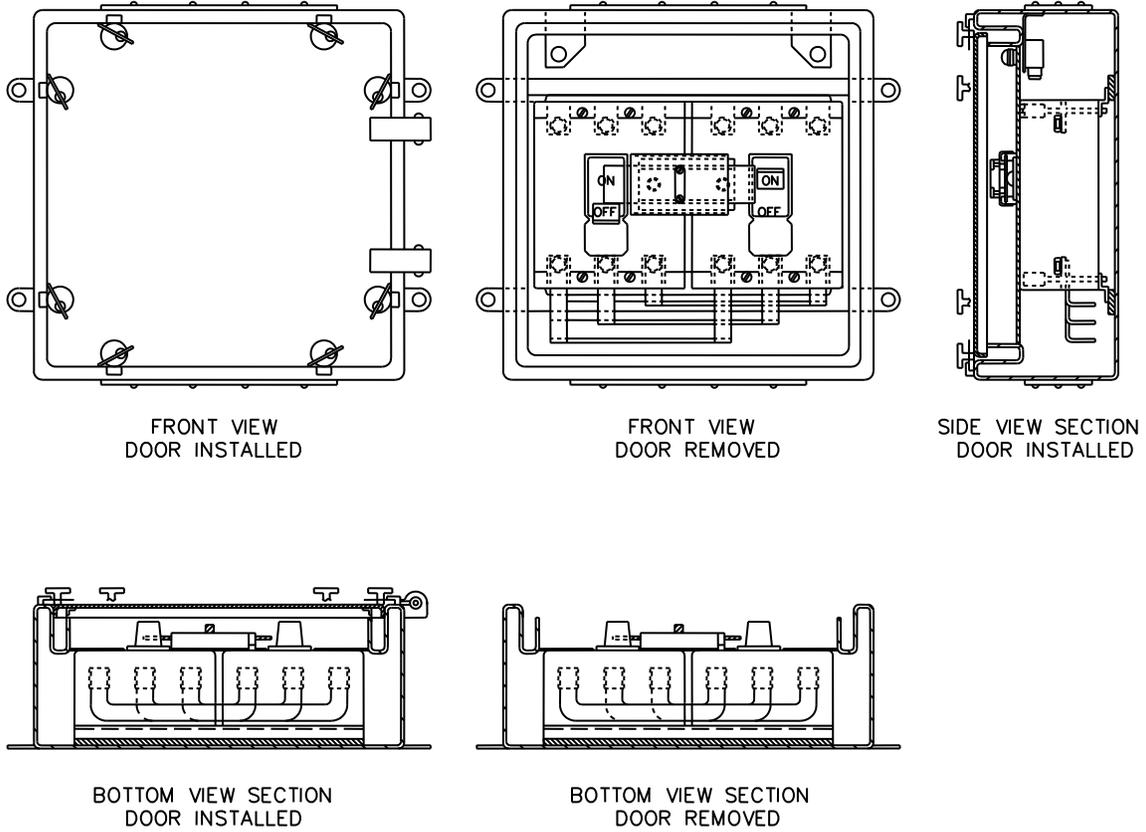
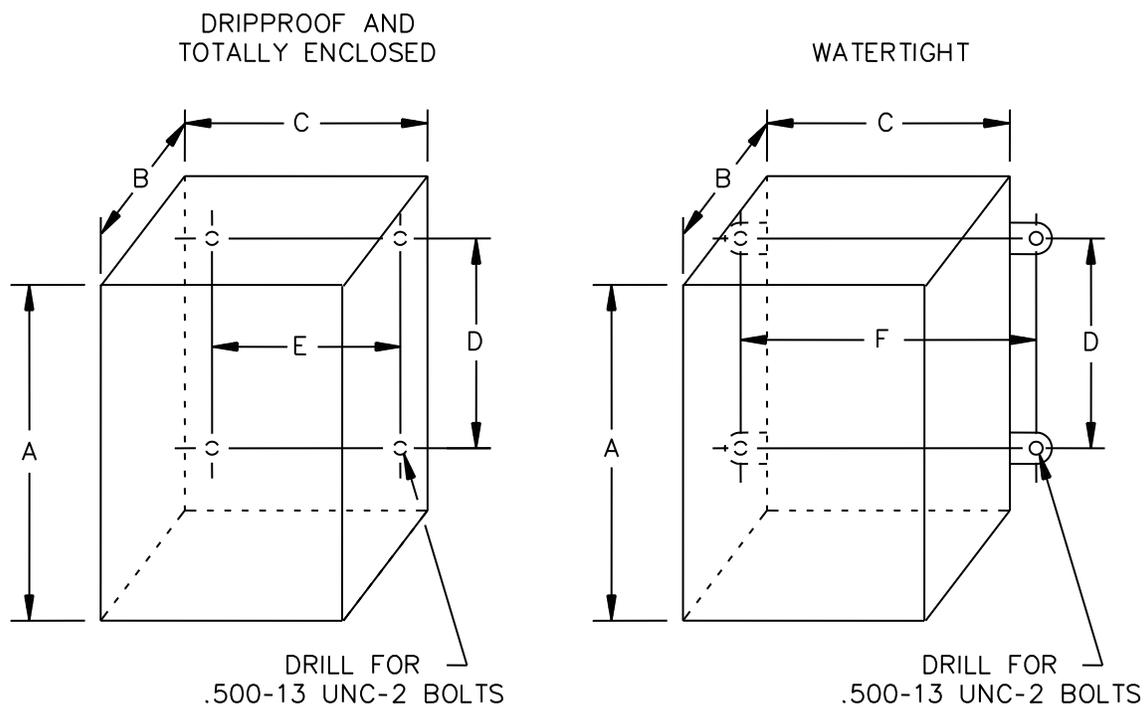


FIGURE 2. Manual transfer panel for double AQB-A252, AQB-A253, NQB-A250 circuit breakers, watertight (typical).



Letter	Inches
A	28.75 Max
B	8.75 Max
C	23.50 Max
D	11.88
E	20.25
F	25.50

NOTES: Unless otherwise specified herein, tolerances shall be as follows:

Two place decimals - plus or minus 0.02.

Three place decimals - plus or minus 0.005.

FIGURE 3. Panel and mounting dimensions.

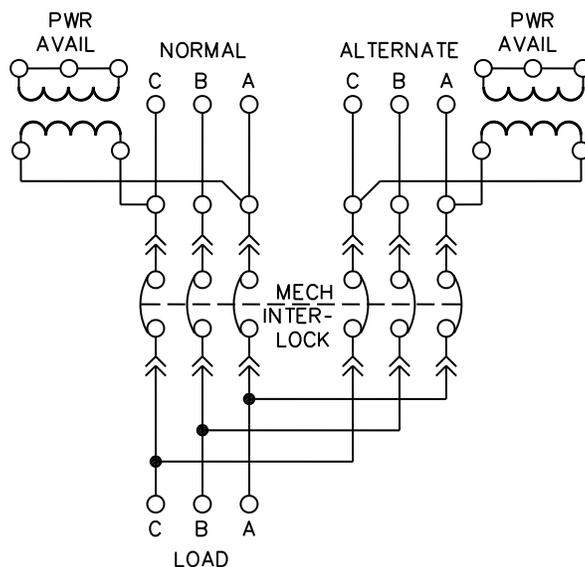
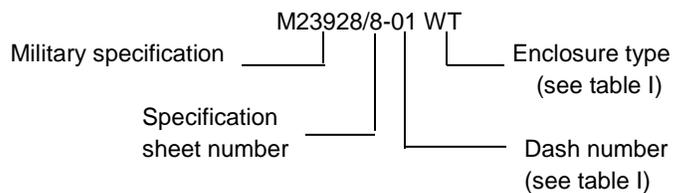


FIGURE 4. Wiring diagram, front view (typical).

TABLE I. Part or identifying numbers (PIN).

Dash number	Symbol number and enclosure type		
	Dripproof (DP)	Totally enclosed (TE)	Watertight (WT)
01	2474.2	2474.3	2474.4

Example: The full PIN for a double circuit breaker, watertight manual transfer panel is:



REQUIREMENTS:

- Class 1: Dripproof (see note 1).
- Class 2: Totally enclosed (see note 2).
- Class 3: Watertight (see note 3).

Dimensions and configuration: See figures.

Composition: Steel or aluminum (see note 4).

Current rating: 400 amperes (A).

Voltage rating: 500 volts alternating current and 250 volts direct current.

Short circuit capacity: 100,000 A.

Bus bar size (minimum): 1 x 1/4 inch.

Circuit breakers: AQB-A252, AQB-A253, NQB-A250 (see [MIL-DTL-17361](#)).

NOTES:

1. Class 1 panels with doors shall meet the 45 degree dripproof requirements and panels without doors shall meet the 15 degree dripproof requirements as defined by [MIL-STD-108](#). When used, drip shield dimensions shall be as required to provide the specified degree of enclosure. Panels shall be furnished without doors only when specified in acquisition documents.
2. Class 2 panels shall meet the totally enclosed requirements as defined in [MIL-STD-108](#).
3. Class 3 panels, with doors, gaskets, and drain opening, shall meet the watertight requirements as defined in [MIL-STD-108](#).
4. Unless steel is specified in the acquisition document, panels shall be of aluminum construction .
5. A power available indicator light shall be provided for each circuit breaker used for bus transfer switching. The indicator light shall be placed in close proximity to the circuit breaker to which it refers and shall illuminate when power is available.

Referenced documents. In addition to [MIL-DTL-23928](#), this document references the following:

[MIL-DTL-17361](#)      [MIL-STD-108](#)

The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:  
Navy - SH  
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Preparing activity:  
DLA - CC

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NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.