

INCH-POUND

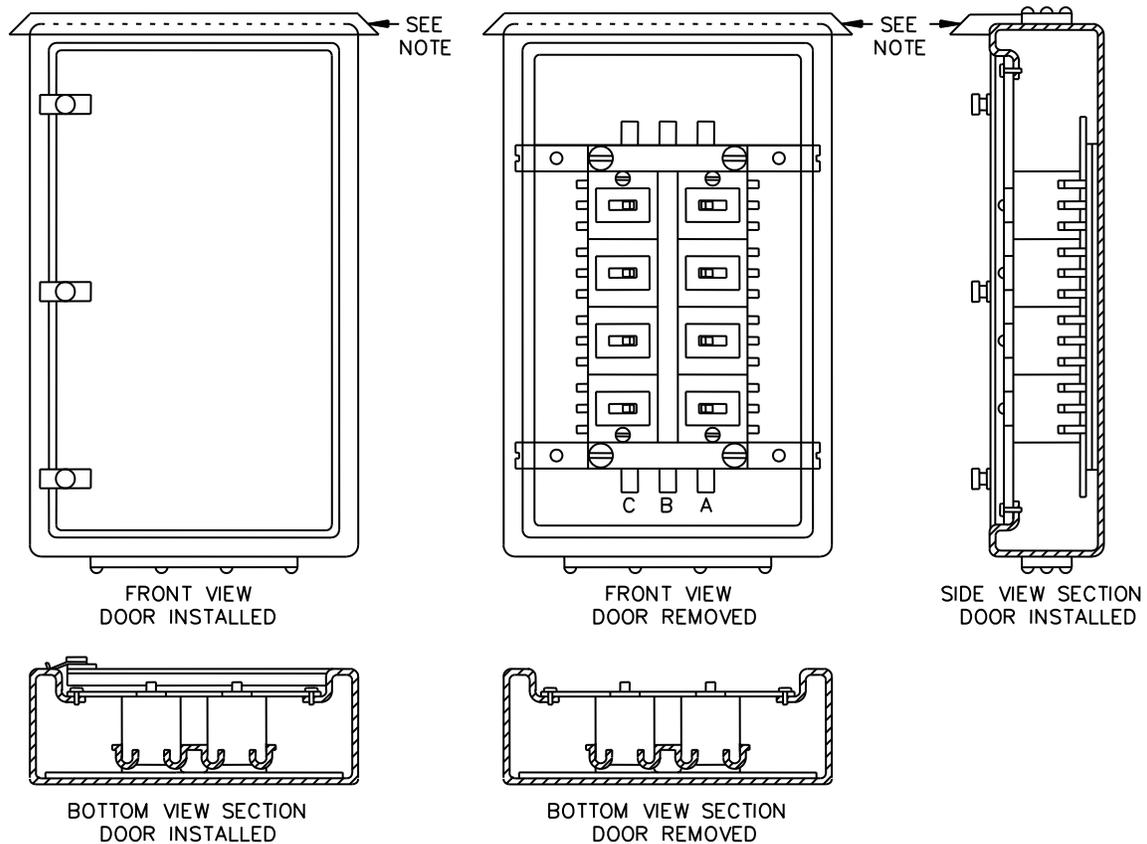
MIL-DTL-23928/2D
28 November 2012
SUPERSEDING
MIL-DTL-23928/2C
2 April 2004

DETAIL SPECIFICATION SHEET

PANEL, ELECTRICAL, VOLTS, POWER DISTRIBUTION FOR AQB-A50,
AQB-A51 AND NQB-A50 CIRCUIT BREAKERS, DRIPPROOF, TOTALLY
ENCLOSED 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](#).



NOTE: Dripshield required for dripproof enclosure only.

FIGURE 1. Distribution panel for AQB-A50, AQB-A51 and NQB-A50 circuit breakers, dripproof and totally enclosed enclosure (typical).

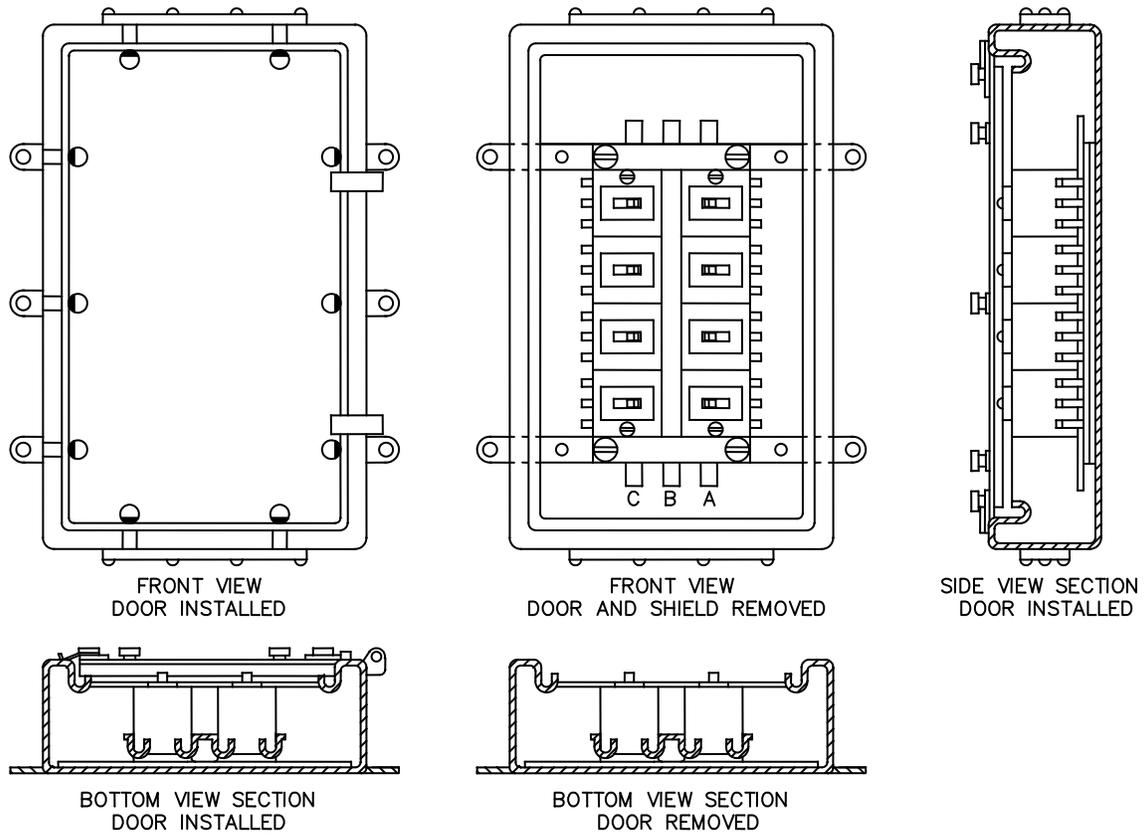
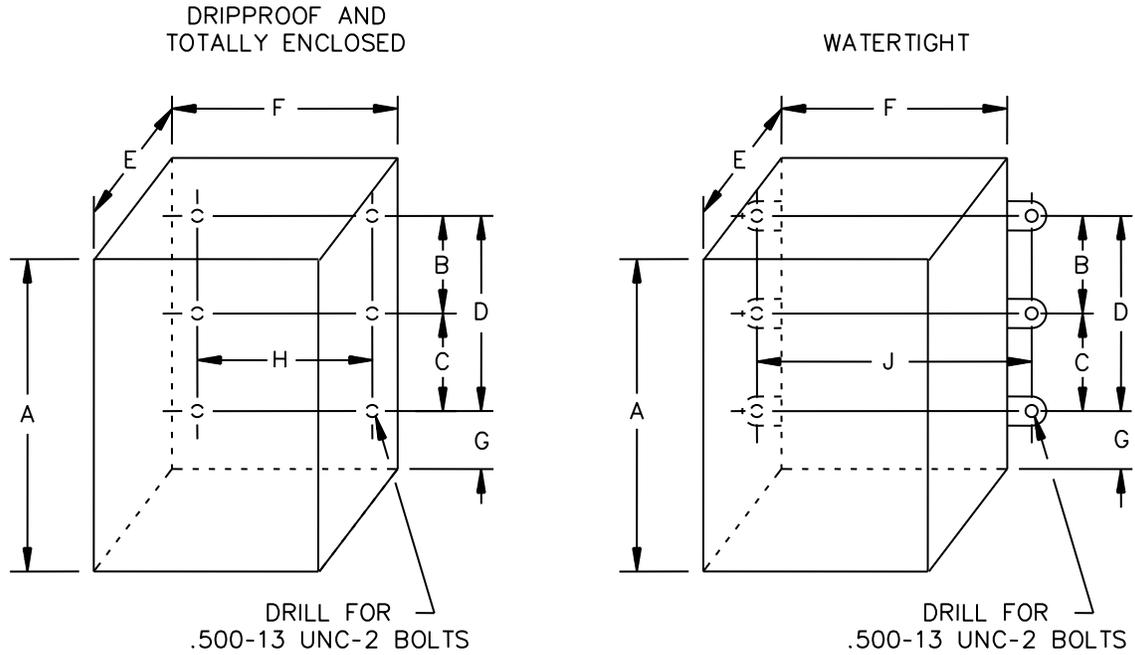


FIGURE 2. Distribution panel for AQB-A50, AQB-A51 and NQB-A50 circuit breakers watertight enclosure (typical).



NUMBER OF CIRCUITS	DIMENSIONS (INCHES)									MOUNTING HOLES PER SIDE
	A	B	C	D	E	F	G	H	J	
2	15.38			4.37	6.50 MAX	15.44 MAX	2.79 MIN	11.50	17.44	2
4	18.75			7.75						
6	22.13			11.12						
8	25.50			14.50						
10	32.13	7.87	11.25	19.12						3
12	35.50	11.25	11.25	22.50						
14	38.88	11.25	14.63	25.88						
16	42.25	14.63	14.63	29.26						

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.

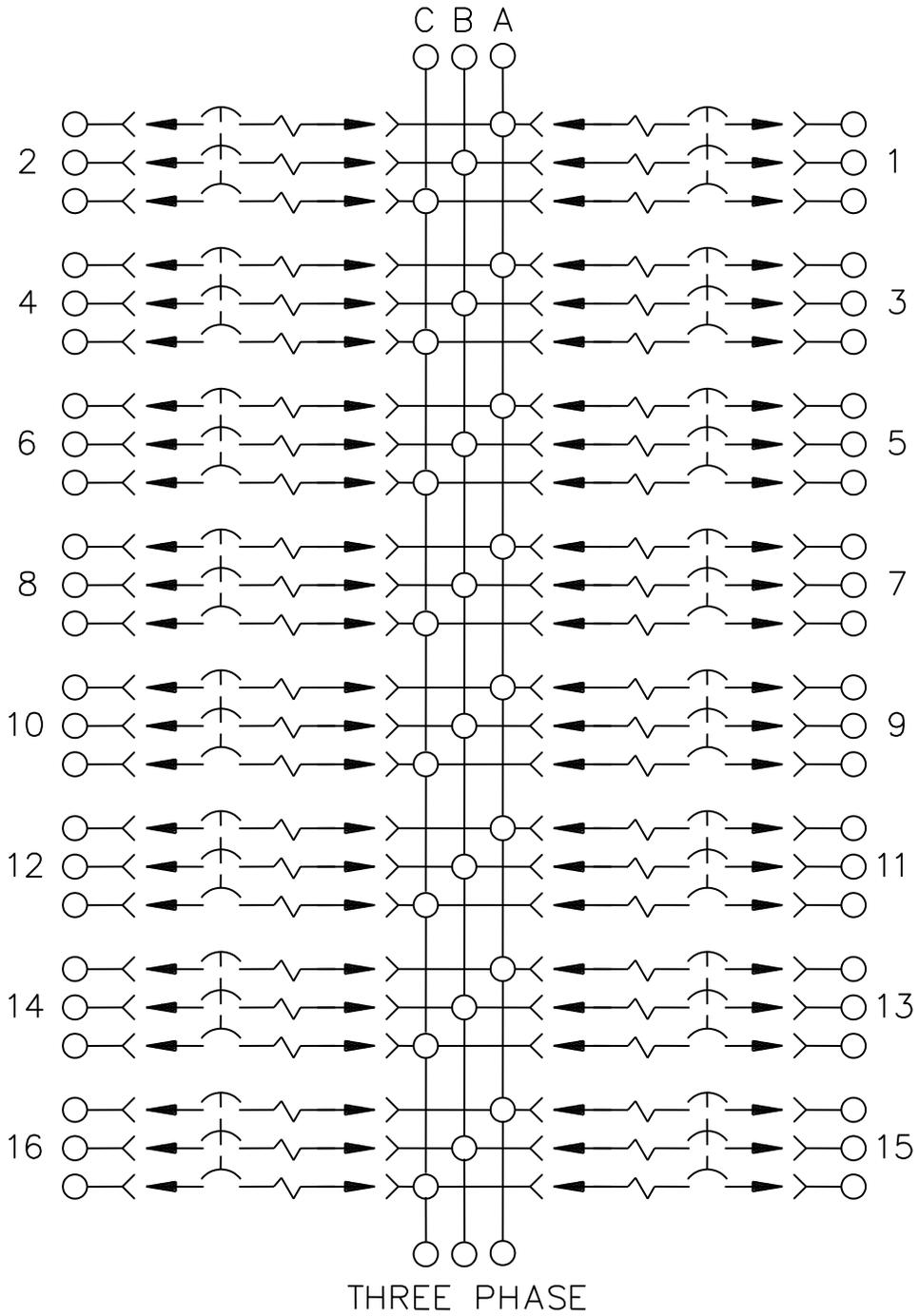
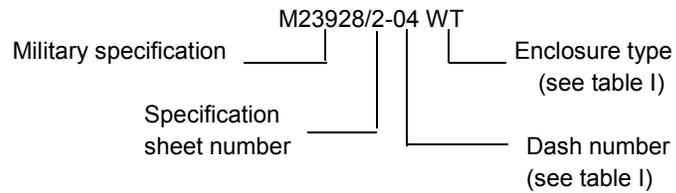


FIGURE 4. Wiring diagrams, front view (typical).

TABLE I. Part or identifying numbers (PIN's).

Dash number	Number of circuits	Symbol number and enclosure type			Current rating (amperes)
		Dripproof (DP)	Totally enclosed (TE)	Watertight (WT)	
01	2	2494.3	2494.4	2494.5	100
02	4	2495.3	2495.4	2495.5	200
03	6	2496.3	2496.4	2496.5	400
04	8	2497.3	2497.4	2497.5	400
05	10	2498.3	2498.4	2498.5	400
06	12	2499.3	2499.4	2499.5	400
07	14	2499.6	2499.7	2499.8	400
08	16	2499.9	2499.10	2499.11	400

Example: The full PIN for a watertight, 8-circuit 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: See table I.

Current rating: See table I.

Voltage rating: See table II.

Short circuit capacity: 100,000 amperes (AQB).

Bus bar sizes (minimum): 1 x 0.250 inch.

Bus bar feeder connection: Top and bottom.

Circuit breakers: See table II.

TABLE II. Circuit breakers.

Circuit breaker	Voltage	Specification
AQB-A50, A51	500 V ac	MIL-DTL-17361
NQB-A50	250 Vdc	

NOTES:

- Class 1 panels with doors shall meet the 45 degree dripproof requirements, and panels without doors shall meet the 15 degree dripproof requirements in accordance with [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.
- Class 2 panels shall meet the totally enclosed requirements as specified in [MIL-STD-108](#). Panels shall be furnished without doors only when specified in acquisition documents.
- Class 3 panels, with doors, gaskets, and drain opening, shall meet the watertight requirements as specified in [MIL-STD-108](#).
- A split bus arrangement shall be provided when specified in the acquisition documents. The current rating shown shall apply to each separate bus grouping.
- Unless steel is specified in the acquisition document, panels shall be of aluminum construction.

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
DLA - CC

Preparing activity:
DLA - CC

(Project 5925-2011-006)

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