

DETAIL SPECIFICATION SHEET

PANEL, ELECTRICAL, VOLTS, POWER DISTIRBUTION FOR AQB-A50  
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.

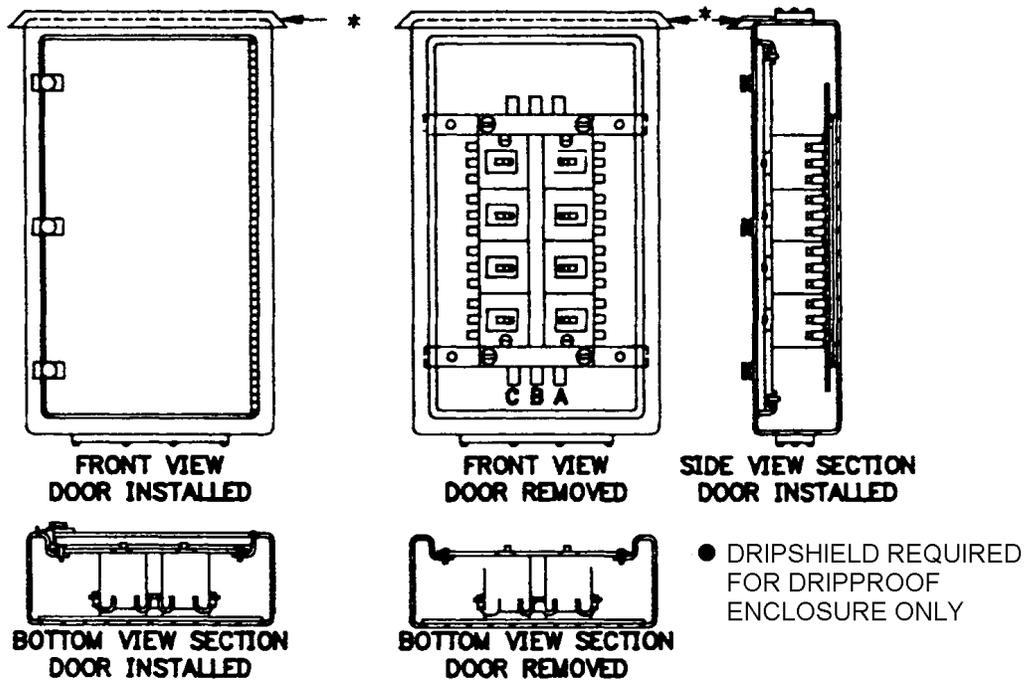


FIGURE 1. Distribution panel for AQB-A50 and NQB-A50 circuit breakers, dripproof and totally enclosed enclosure (typical).

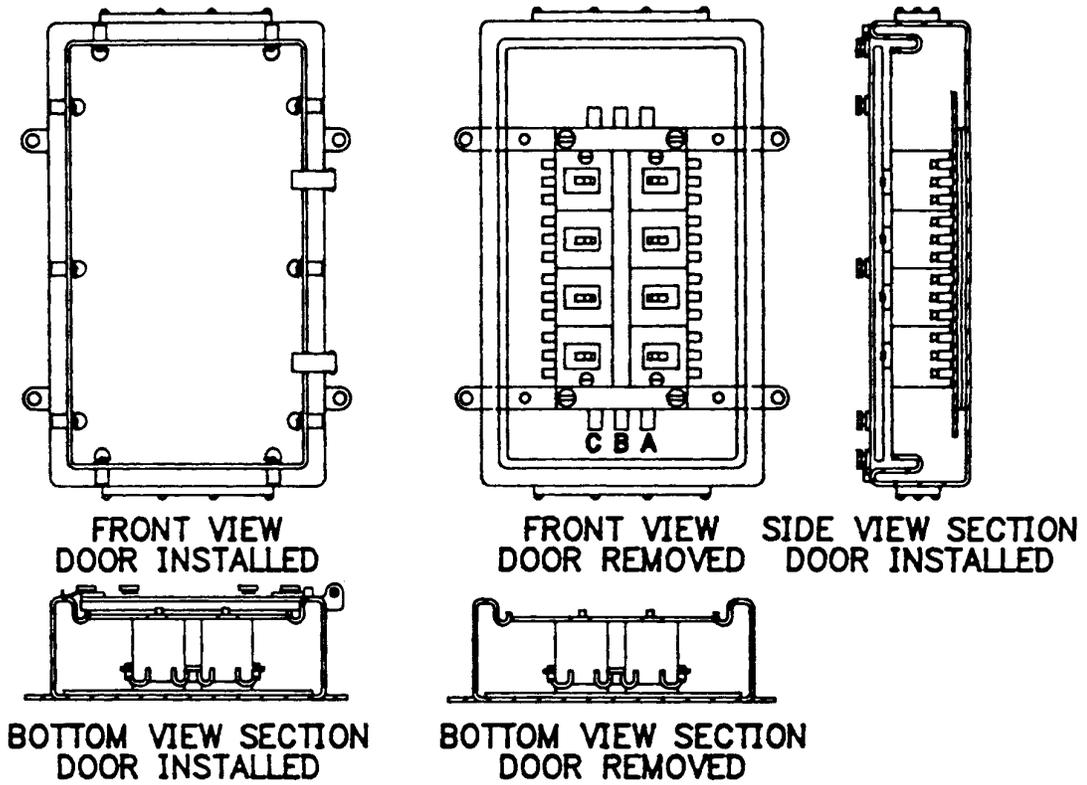
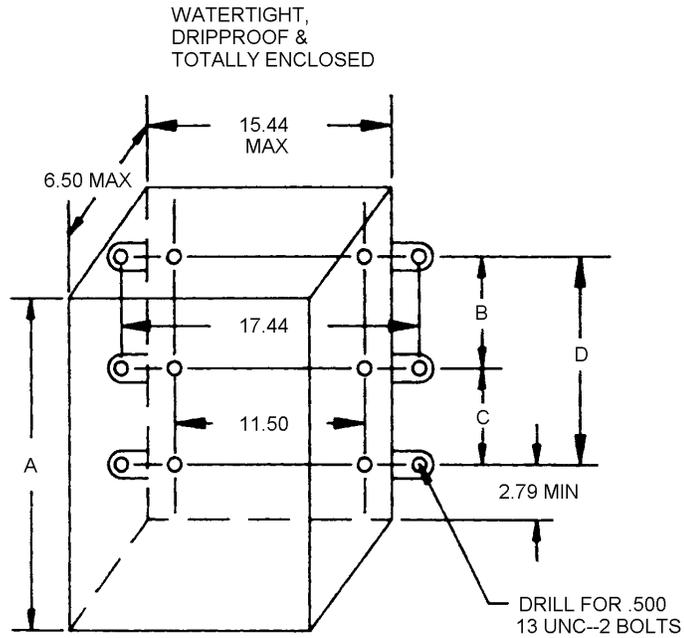


FIGURE 2. Distribution panel for AQB-A50 and NQB-A50 circuit breakers watertight enclosure (typical).



MAX NUMBER OF CIRCUITS	DIMENSIONS (INCHES)			
	A	B	C	D
2	15.38	-	-	4.37
4	18.75	-	-	7.75
6	22.13	-	-	11.12
8	25.50	-	-	14.50
10	32.13	7.87	11.25	19.12
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

FIGURE 3. Panel and mounting dimensions.

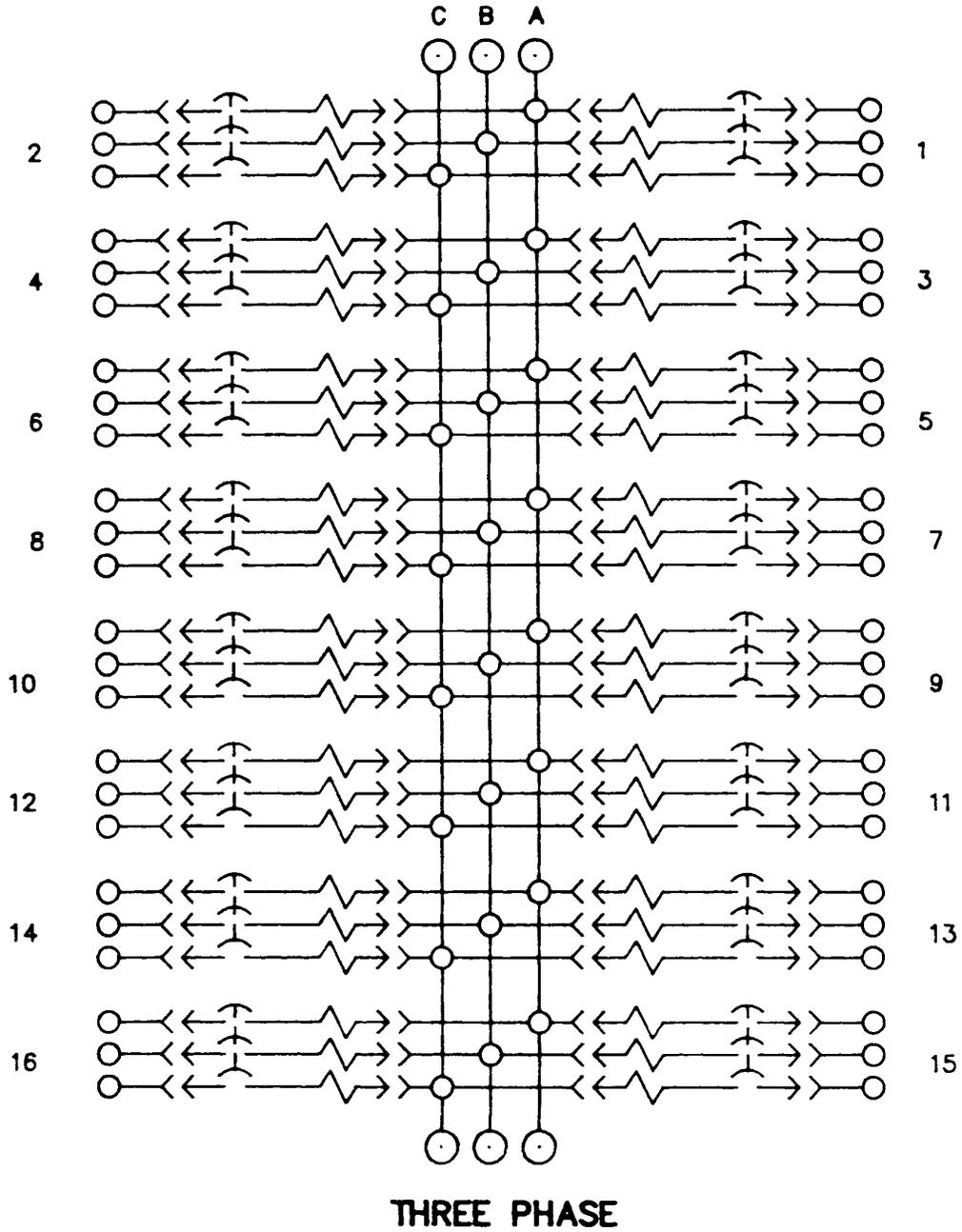


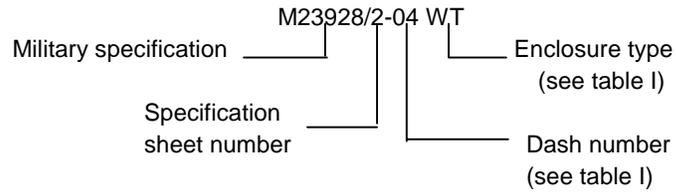
FIGURE 4. Wiring diagrams, front view (typical).

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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	500 V ac	MIL-C-17361
NQB-A50	250 Vdc	

## 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 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.
2. 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.
3. Class 3 panels, with doors, gaskets, and drain opening, shall meet the watertight requirements as specified in MIL-STD-108.
4. A split bus arrangement shall be provided when specified in the acquisition documents. The current rating shown shall apply to each separate bus grouping.
5. Panels shall be of aluminum construction unless steel is specified in the acquisition document.

Referenced documents. In addition to MIL-DTL-23928, this document references the following:

MIL-C-17361      MIL-STD-108

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

MIL-DTL-23928/2C

Custodians:  
Navy - SH  
DLA - CC

Preparing activity:  
DLA - CC

(Project 5925-0368-002)

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 [www.dodssp.daps.mil](http://www.dodssp.daps.mil).