

38999

1.	2.	3.	4.	5.	6.
Connector & Shell Style	Contact Type	Shell Size – Insert Arrangement	Contact Configuration	Insert Rotation	Special Variation
AJ6	R -	20-41	S	A	(445)

AQUACON IMMERSIBLE CONNECTORS

		Aquacon with JT (38999 Type) Inserts	Aquacon with SJT (38999 Type) inserts- size 12 contacts only
CONNECTOR TYPE & STYLE	Receptacle Crimp	AJ7	AS7
	Plugs	AJ6	AS6
	Hermetic	AJ7	AS7
	Jam Nut Receptacle	AJ0	

Fused compression glass sealed inserts. Leakage rate less than 1.0x10⁻⁶ cc/sec at 15 psi differential; with interfacial seal.

2. CONTACT TYPE

Receptacle

C	Non-Removable Solder Termination
R	Removable Crimp Termination
H	Hermetic (Glass Seal) Solder Termination (Receptacles only)

Plug

C	Non-Removable Solder Termination
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5. ALTERNATE POSITIONING

Alternate positioning of Aquacon Series is achieved by a rotation of the master key/keyway, relative to the insert, as part of the shell manufacturing operation.

Recommended practice is to use alternate position inserts only when necessary.

AQUACON MASTER KEY/KEYWAY ROTATION

Shell Size	AB Angle of Rotation (Degrees)				
	Normal	A	B	C	D
8	100	82			118
10	100	86	72	128	114
12	100	80	68	132	120
14	100	79	66	134	121
16	100	82	70	130	118
18	100	82	70	130	118
20	100	82	70	130	118
22	100	85	74	126	115
24	100	85	74	126	115

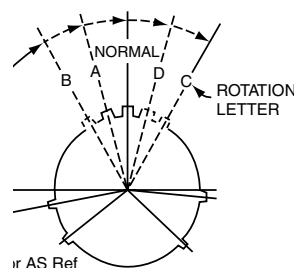
3. SELECT A SHELL SIZE & INSERT ARRANGEMENT SEE PAGES 2-5

Shell Size & Insert Arrangements are on pages 2-5. First number represents Shell Size, second number is the Insert Arrangement.

4. CONTACTS

P	Pin Contacts
S	Socket Contacts

Hermetics are available only in pin contacts.



LATIVE POSSIBLE POSITION OF ROTATED MASTER KEYWAY (FACE OF AJ or AS RECEPTACLE SHOWN)

6. SPECIAL VARIATIONS

(168)	Rear Accessory Thread for Non-Hermetic Jam Nut Receptacle only.
(445)	Hex Coupling and Rear Accessory Threads for Straight Plug only.

Consult Amphenol Aerospace for other options and special variations available. See how to order protection caps on page 161.