

# Aquacon Series

## Specifications, Alternate Positioning

38999

### AQUACON CONTACT RATINGS

Contact Size	Test Current		Maximum Millivolt Drop			Crimp Well Data		Solder Well Data		
	Standard	Hermetic	Crimp	Solder	Solder Hermetic	Diameter	Depth	Diameter	Depth	
22M	3	2	30	20	60	.029 ±.001	.141	.029	+0.004 -0.000	.094
22D	5	-	40	-	-	.0345 ±.001	.141	-	-	-
22	5	3	40	20	85	.0365 ±.001	.141	.036	+0.004 -0.000	.094
20	7.5	5	35	20	60	.047 ±.001	.209	.044	+0.004 -0.000	.125
16	13	10	25	20	85	.067 ±.001	.209	.078	+0.004 -0.002	.141
12	23	17	25	20	85	.100 ±.002	.209	.116 ±.004	-	.151

### AQUACON SERVICE RATINGS

Service Rating	Suggested Operating Voltage (Sea Level)	
	AC (RMS)	DC
M	400	550
I	600	850
II	900	1250

The establishment of electrical safety factors is left entirely in the designer's hands, as he can best determine what peak voltage, switching surges, transients, etc. can be expected in a particular circuit.

### ALTERNATE POSITIONING

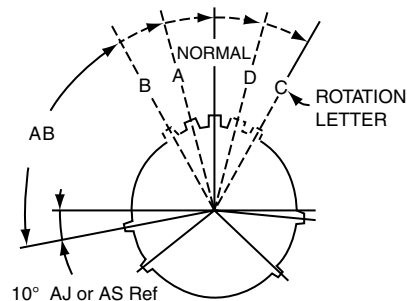
Alternate positioning of connectors allows connectors with identical insert arrangements to be mounted side by side by providing a positive means of eliminating inadvertent cross-mating or cross-plugging.

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



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