



8STA/8TA Fuel Immersible



Features & Benefits

- Continuous immersion without loss of performance
- Special fuel resistant insert
- Excellent connector sealing on panels by using the jam nut version

Datasheet.Live

Technical characteristics

Mechanical	8STA		8TA
<ul style="list-style-type: none"> • Shell • Shell plating • Insulator • Grommet & seal • Contact • Contact plating • Endurance • Shock • Vibration • Contact retention 		Aluminium alloy Conductive black zinc Thermoplastic Fluoroelastomer Copper alloy Gold	
		500 matings/unmatings 300 g for 3 ms and EIA-364-27	
	147 m/s ² , 10 to 2000 Hz Size 22D: 45 N / Size 20: 60 N Size 16: 100 N / Size 12: 100 N		random 100 to 1000 Hz - 1G ² /Hz Size 22D: 45 N
Electrical			
<ul style="list-style-type: none"> • Test voltage • Contact resistance 		1300 Vrms	Size 22D: 14.6 mΩ
<ul style="list-style-type: none"> • Insulation resistance at 500 Vdc • Contact rating 	Size 22D: 14.6 mΩ / Size 20: 7.3 mΩ Size 16: 3.8 mΩ / Size 12: 3.5 mΩ	≥ 5000 mΩ	Size 22D: 5 A
<ul style="list-style-type: none"> • Shell continuity 	Size 22D: 5 A / Size 20: 7.5 A Size 16: 13 A / Size 12: 23 A	≤ 10 mΩ	
Climatic			
<ul style="list-style-type: none"> • Temperature range • Sealing mated connectors • Salt spray 		-55°C to +175°C IP67 (1 metre for 30 min. minimum) 48 hours	
Resistance to fluids			
		withstands most of Motorsport fluids	



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How to order

Basci series		8STA	0	08	35	P	N	022
		8TA	0	08	35	P	N	022
Shell style	0: Oval flange receptacle 1: In-line receptacle 6: Plug 7: Jam nut receptacle							
Shell size	04 - 08 - 10 - 12 - 14 - 16							
Layouts	See layouts available below							
Contact gender	P: Pin contacts S: Socket contacts							
Orientation	N: Red / A: Yellow / D: Green							
Specification*	022							

*Mandatory

Contact layouts (viewed from front face of male insulator)

Size 04 <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> 05 5 #26 Service R </div> <div style="text-align: center;"> 35 3 #22D Service S </div> </div>	Size 08 <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> 35 6 #22D Service M </div> <div style="text-align: center;"> 98 3 #20 Service I </div> </div>	Size 10 <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> 05 5 #20 Service I </div> <div style="text-align: center;"> 35 13 #22D Service M </div> <div style="text-align: center;"> 98 6 #20 Service I </div> </div>
Size 12 <div style="text-align: center;"> 98 10 #20 Service I </div>	Size 14 <div style="text-align: center;"> 35 37 #22D Service M </div>	Size 16 <div style="text-align: center;"> 08 8 #16 Service II </div>

35 For both 8STA & 8TA, all others being for 8STA only.



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Range presentation

Plug

Boot termination

ø A

Shell size	ø A max.	B max.	C max.
04	13.55	18.50	7.9
08	18.70	33.50	15
10	21.50		
12	25.10		
14	29.00		
16	32.20		

In-line receptacle

Hand grip
Boot termination

ø A

Shell size	ø A max.	ø D ^{+0.20}	G max.
04	-	10.20	18.15
08	17.60	12.00	33.50
10	20.70	15.00	
12	25.10	19.05	
14	28.30	22.22	
16	31.40	25.40	

Oval flange receptacle

P Panel thickness
Boot termination

PANEL CUT OUT

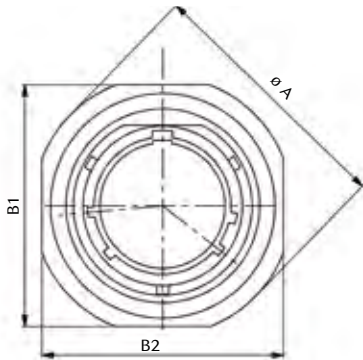
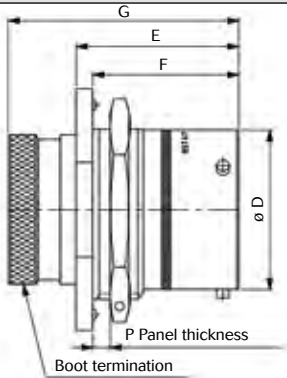
Shell size	A max.	B ^{+0.20}	ø C ^{+0.1} ₀	ø D ^{+0.2} _{-0.13}	E _{-0.15} ⁰	F _{-0.13} ⁰	G max.	L max.	P max.	PANEL CUT OUT		
										ø A ^{+0.10}	B ^{+0.20}	ø C ^{+0.20}
04	13.20	16.40	2.65	10.20	10.70	9.20	18.30	20.85	2.00	12.00	16.20	3.10
08	16.50	21.40	3.20	12.00	17.21	16.05	33.50	27.20	3.00	14.50	21.40	3.60
10	19.50	25.90		15.00				32.00		17.40	25.90	
12	24.00	29.10		19.05				35.20		21.90	29.10	
14	27.00	32.50		22.22				38.40		25.00	32.50	
16	30.30	34.80		25.40				41.00		28.20	34.80	

Note : all dimensions are in mm

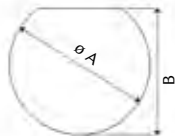


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Jam nut receptacle



PANEL CUT OUT



Shell size	$\phi A^{+0.03}$	B1-B2 $^{+0.24}$	$\phi D_{0,12}^0$	E $^{+0.10}$	F $^{+0.24}$	G $^{+0.3}$	P max.	PANEL CUT OUT	
								$\phi A \pm 0.10$	B ± 0.20
04	18.00	20.20	10.20	18.15	16.20	25.75	1.5 to 5.0	13.50	12.80 - 13.00
08	26.90	24.10	11.97	25.91	23.24	36.71	3.00	14.50	13.60
10	30.15	27.30	14.94					17.70	16.80
12	34.89	32.10	19.01					22.70	20.90
14	38.06	34.92	22.18					25.70	24.10
16	41.25	38.40	25.36					28.80	27.20

For other shell sizes, please consult us.