JYS High-Density Subminiature Bayonet Connectors

Bayonet · shells 2 and 6 · size 22D contacts

Coupling	Bayonet
Shell sizes	2, 6
Insert arrangements	3
Contact sizes	22D (5 A)
Temperature	–55 to +175 °C
Mating cycles	250

Key features

- High-density subminiature design; light with high mechanical strength
- Fast bayonet coupling
- Two shell sizes: 2 and 6
- Size 22D crimp contacts, 44 N retention
- Aluminum (nickel) or stainless-steel (passivated) shells
- Oval-flange, jam-nut and in-line receptacles

Specifications

Electrical

Parameter	Value	Condition
Dielectric withstanding voltage	1000 Vrms	Size 22D, sea level
Insulation resistance	≥ 5000 MΩ	Room temperature
Shell-to-shell conductivity	< 60 mΩ	Aluminum (P)

Mechanical and environmental

Parameter	Value	Condition
Durability	250 mating cycles	
Vibration	10–2000 Hz, 147 m/s²	
Shock	300 g, 3 ms	
Contact retention	44 N	Size 22D
Operating temperature	–55 to +175 °C	
Relative humidity	98 %	
Salt spray	48 h / 500 h	Aluminum / stainless steel

Versions

Series code	Version	Notes
JYS6	Plug	
JYS0	Oval-flange receptacle	

Series code	Version	Notes
JYS3	Jam-nut receptacle	M10 × 0.75 (shell 2), M14 × 1 (shell 6)
JYS1	In-line (cable) receptacle	

Shell materials and finishes

Code	Shell material	Finish	Shell conductivity	EMI shielding	Temperature	Salt spray
P	Aluminum alloy	Nickel	< 60 mΩ	—	−55 to +175 °C	48 h
E	Stainless steel	Passivated	—	—	−55 to +175 °C	500 h

Contact sizes and current ratings

Contact size	Engaging diameter	Contact resistance	Current rating	Contact retention	Wire size
22D	0.76 mm	≤ 12 mΩ	5 A	44 N	AWG 22–28 (0.08–0.3 mm²)

How to order

JYS [type] [finish] [shell] [arrangement] [contact] [key]

Example: **JYS0P0235PN** — Oval-flange receptacle, aluminum with nickel, shell 2, arrangement 02-35, pin contacts, key N

Code segment	Options
Type	**0** Oval-flange receptacle
Type	**1** In-line (cable) receptacle
Type	**3** Jam-nut receptacle
Type	**6** Plug
Finish	**P** Aluminum, nickel
Finish	**E** Stainless steel, passivated
Shell	**02 06** Shell size
Arrangement	**35 / 06** See the insert arrangement table below
Contact	**P / S** Pin / socket
Key	**N** Normal
Key	**A B C D** Alternate

Insert arrangements

Arrangement	Contacts	Contact sizes
2-35	3	3 × size 22D
6-06	6	6 × size 22D
6-35	5	5 × size 22D

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