J30J Mixed-Power Micro-D Connectors, 20 A Power + 3 A Signal

20 A power + 3 A signal · Micro-D size · twist-pin signal contacts



Shell	Micro-D shell
Contacts	2 to 10 power; 2 + 7 to 2 + 37 mixed
Current rating	20 A power; 3 A signal
Temperature	–55 to +125 °C
Mating cycles	500

Key features

- 20 A power contacts and 3 A signal contacts in one Micro-D-size shell
- Twist-pin signal contacts with multiple contact points per pin
- Power-only layouts with 2 to 10 contacts
- Mixed layouts: 2 + 7, 4 + 7, 2 + 19, 2 + 23, 2 + 25 and 2 + 37 (power + signal)
- Crimp or plug-in terminations; locking hardware assembled to order
- Other layouts on request

Specifications

Electrical

Parameter	Value	Condition
Current rating	20 A / 3 A	Power / signal contacts
Contact resistance	≤ 10 mΩ	
Dielectric withstanding voltage	800 V	
Insulation resistance	≥ 5000 MΩ	

Mechanical and environmental

Parameter	Value	Condition
Durability	500 mating cycles	
Vibration	10–2000 Hz, 196 m/s²	
Shock	735 m/s²	
Operating temperature	–55 to +125 °C	
Humidity	98 % at +40 °C	
Wire size	0.10–0.15 mm² / 2.0–3.0 mm²	Signal / power contacts

Versions

Series code	Version	Notes
Power only	2, 3, 4, 5, 6, 7, 8, 9 or 10 power contacts	
Mixed	2 + 7, 4 + 7, 2 + 19, 2 + 23, 2 + 25, 2 + 37 (power + signal)	
J30JL00	Free-end locking hardware	
J30JP00, P05–P09, P11, P12	Fixed-end locking hardware	

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