

DTS-HC 300A High Current Circular Connectors

The Deutsch DTS-HC 300A High Current Circular Connector Series is ideally suited for high power interconnections on applications deployed in harsh environments. The power contacts are rated to 300 amps and are suitable for termination of up to 70mm² conductors. Based on proven military standard 38999 housings the connectors provide the reliability and performance required for the most demanding military and aerospace applications.



FEATURES

- High current contact pair rated to 300 amps
- Crimp or bus bar contact termination
- Rear removable contacts
- 100% scoop proof design
- Housings based on MIL-DTL-38999 SIII
- Anti-vibration coupling mechanism
- Interfacial sealing
- EMI shielding fingers at mating interface

BENEFITS

- High reliability, robust high power connections
- Suitable for high temperature applications
- Superior contact retention under severe vibration
- Versatile contact termination options
- Sealed from aggressive fluid and dust ingress
- Equipment EMI protection

COMPANY QUALITY APPROVALS

- EASA Part 21
- BS EN ISO 9100 / AS 9100 / ISO 9001
- Military Spec Approvals
- Underwriters Laboratories
- BS EN ISO 14001
- NADCAP Approval

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GENERAL SPECIFICATION

Performance:

Temperature: -65°C to +175°C
Vibration: Random 50-2000Hz, 5g²/Hz
As per MIL-DTL-38999
DWV: 1500VAC
Insulation Resistance: 500VDC, 5000Mohm min.
Durability: No electrical or mechanical defects after 500 cycles
Altitude: 30,000m (100,000ft) max.

EMI Shielding: As per MIL-DTL-38999

Housing Materials:

Shell/coupling ring: High Strength Aluminium Alloy
Plating options: Nickel (RoSH compliant)
Olive Drab Cadmium
Zinc Cobalt
Seals: Fluorinated Silicone
Insulators: High performance thermoplastic

Contacts:

Material: Gold plated Copper Alloy
Current Rating: 300 Amps
Type: Crimp (standard)
Bus bar (optional)
Conductor: 70mm²

Protective Caps:

Suitable for procaps to MIL-DTL-38999 SIII

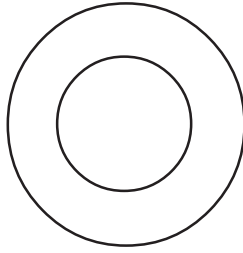


DEUTSCH

With 30 years experience in designing and manufacturing at its own facilities, Deutsch UK can provide interconnection solutions for the most demanding of environments

INSERT ARRANGEMENTS

Shell Size 23



23-100
1 x Size 00 contact

DIMENSIONAL INFORMATION

Please refer to the Deutsch UK D38999 Series 3 & DTS Dimensional Information datasheet

ORDERING INFORMATION

	DTS	26	F	23	-	100	S	N	-	****	
Range ref											Modifications:
Shell Style:											Keyway:
20 = Square flange receptacle											N = Normal, A, B
24 = Round flange receptacle											Contact Type:
26 = Free plug											P = Pin
Finish:											S = Socket
F = Nickel											Insert Arrangement:
W = Olive Drab Cadmium											100
Z = Zinc Colbalt											(see above)
Shell Size:											
23											

CONTACT ORDERING INFORMATION

Type	Socket	Pin
Crimp	601365	610304
Bus bar	610299	610364