

The 7000 Universal Range of Audio and Video Connectors employs many innovative features unique to the Delton series. They are suitable for use in both commercial and industrial electronics applications, where reliability, simple operation and the elimination of RF and mechanical interference is necessary. Common uses include mixing desks, tape recorders, video recorders, DAT recorders and test instrumentation.

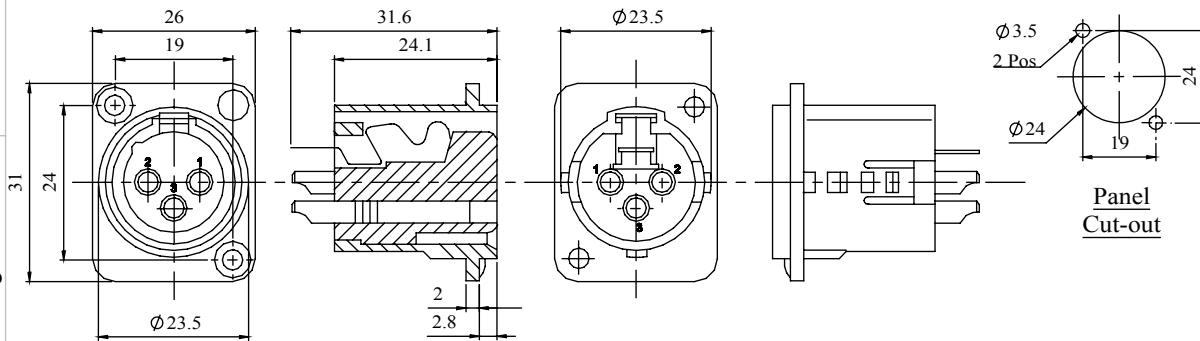
- Completely interchangeable with all leading manufacturers of XLRs.
- HOUSING: a rugged diecasting offering full RF protection, with a small industrial standard flange.
- INSERT: thermoplastic with high mechanical, thermal and electrical properties excellent chemical resistance, and dimensional stability.
- CONTACTS: precision machined in brass with generous solder buckets to accept a wide range of cable sizes.
- LATCHING: unique design with a positive line plug mating and retention, but requiring no mechanical operation to disengage; simply pull to release the plug.

**Mechanical Properties**

Housing	Zinc high pressure diecasting satin nickel or black chrome
Contact base	Valox DR48 (UL94 V-0)
Contacts	Brass, 3 microns silver anti-tarnish finish, or 0.5 microns gold plate
Earth tag	Spring steel, nickel plate 3 microns silver plate

**Electrical**

Rated Voltage	50 V a.c.
Test Voltage	1000 V r.m.s.
Insulation Resistance	103 MΩ
After damp heat	500 MΩ
Contact Resistance	10 mΩ max
Current Rating at 40 deg C	3 pin - 15 amp 4 pin - 10 5 pin - 7.5 amp
Current Rating at 70 deg C	3 pin - 7.5 amp 4 pin - 5 5 pin - 3 amp
Terminal wire sizes	3 pin 2.5 mm <sup>2</sup> / 14 AWG 4 pin 1.5 mm <sup>2</sup> / 16 AWG 5 pin 1.0 mm <sup>2</sup> / 18 AWG
Climatic	
Climatic category	25/070/04
Temperature Range	-25°C to +70°C
Damp heat, steady state	4 days



Dimensions

Deltron Part No	Silver Contacts		Gold Contacts	
	Nickel	Black	Nickel	Black
3-Way	716-0301	718-0301	722-0301	724-0301
4-Way	716-0401	718-0401	722-0401	724-0401
5-Way	716-0501	718-0501	722-0501	724-0501



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UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETRES  
LINEAR TOLERANCE:  
NO DECIMAL PLACES ±0.5mm  
1 DECIMAL PLACE ±0.25mm  
2 DECIMAL PLACES ±0.125mm  
ANGULAR TOLERANCE: ±1°

FINISH	CHASSIS SOCKETS NON LATCHING	DEBURR AND BREAK SHARP EDGES	DRAWN BY APPROVED BY	SPB WC
IF IN DOUBT ASK DO NOT SCALE DRAWING			THIRD ANGLE PROJECTION	SHEET 1 OF 1
MATERIAL	SEE NOTE			SCALE 1:1 A4

TITLE	GENERAL SPECIFICATION MULTIPOLE CONNECTOR NON LATCHING
DRAWING NO.	716-718-722-724-01
ISSUE	08
	Release

# Mouser Electronics

Authorized Distributor

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