

Standard D-Sub connector

D-SUB IN SWISS QUALITY

The widely used and always popular connection for data transmissions. Installed in many electronic modules for signal transmission.

Deltron standard connectors are available in all familiar versions and sizes, including high-density.

Machined contacts in several quality classes and coatings allow particularly high mating cycles and guarantee high-quality transmission quality.

The numerous assembly and mounting options leave nothing to be desired. The insulator consists of a monobloc and complies with the UL94 V-0 standard.

All connectors are manufactured according to the standards MIL-C-24308 and IEC 60807 (DIN 41652).

Versions:

- Solder cup version for cable assembly
- Solder pin version 180° straight or 90 ° angled version
- Wire wrap for laboratory, test and development fields
- Print version for a PCB assembly
- Flat cable, IDC technology for a ribbon cable connection
- Crimp connection for vibration-prone connections
- Dual Port, two in one stacked space-saving and flexible version

High Density D-Sub connectors

D-SUB IN SWISS QUALITY

The widely used and always popular connection for data transmissions. Installed in many electronic modules for signal transmission.

Deltron HD connectors are available in all familiar versions and sizes, including waterproof IP67 and IP68.

Machined contacts in several quality classes and coatings allow particularly high mating cycles and guarantee high-quality transmission quality.

The numerous assembly and mounting options leave nothing to be desired. The insulator consists of a monobloc and complies with the UL94 V-0 standard.

All connectors are manufactured according to the standards MIL-C-24308 and IEC 60807 (DIN 41652).

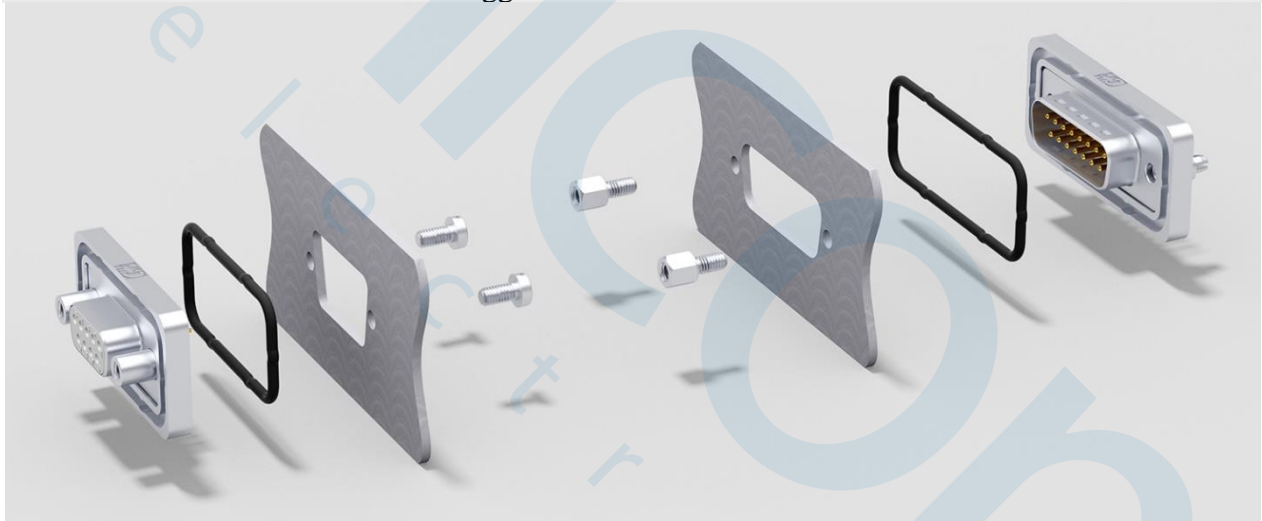
Versions:

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IP67 | IP68 D-Sub connectors (outdoor)

THE IDEAL D-SUB CONNECTION FOR CHALLENGING APPLICATIONS IN HARSH CONDITION

Machines and equipment, operating in- and outdoor and exposed to dirt, dust and liquid, require rugged connector solutions.



Electronic assemblies and devices, which are used outdoors or in an environment contaminated by dirt, dust and moisture, need appropriate well protected plug connections. Here Deltron offers two convincing solutions:

The IP67 series with plastic frame is tested according to standard IEC 60529, which certifies protection from dust and water.

The IP68 series with zinc die-cast metal frame with nickel-plated surface is suitable for use in water and harsh environments.

Both versions are equipped with a flange with O-ring seal for assembly to a housing cover. On the back, the contacts are sealed with a special sealant.

The connectors comply with the UL94-V-0 standard and are manufactured according to the standards IEC60807 (DIN 41652) and MIL-C-24309.

The robust connectors are available in the following versions:

- IP67 plastic frame for enclosure rear wall mounting
- IP68 with metal frame for front or rear wall mounting
- Mounting bolts with UNC4-40 or M3 thread
- High power contacts 10 to 40 A, high voltage contacts as well as coaxial contacts (50 to 75 Ohm) and pneumatic contacts are available in the Hybrid-Combi-Mixed-Version
- The connectors are available on request with Planar filters in various capacities
- High precision, machined contacts (solder cups, solder pins straight or angled)
- Different quality classes are available
- Standard D-Sub connectors are used with our IP67 connector hoods

Combi- Mixed D-Sub connector

COMBINATION D-SUB CONNECTOR

offer a mixed assembly of the contacts in the same insulating body. Due to the Deltron connector design many combinations with contacts are possible: High power contacts, high voltage contacts, coaxial contacts, pneumatic contacts.



D-Sub Combi Connectors are Deltron's flexible solution for many different types of connection in the smallest of spaces.

The combination connector allows a variety of contact types such as signal, high power, high voltage, coaxial and pneumatic contacts in a common connector housing.

The dimensions comply with the standards IEC 60807 (DIN 41652) and MIL-24308.

Facts:

- Many different combinations available in 5 shell sizes
- High precision, machined signal contacts
- Machined high-power contacts for 10A, 20A, 30A, 40A
- Coaxial contacts with 50 and 75 ohms
- Various high voltage contacts for 2.8kV
- Pneumatic contacts
- Filter Combi Steckverbinder
- Connector types: solder cup, solder pin straight and angled as well as press-fit or crimp versions
- Numerous assembling options

Filter D-Sub connectors

DELTRON FILTER D-SUB CONNECTORS

offer excellent protection against EMI and RFI. For trouble-free signal transmission in an EMC-polluted environment.

Available as standard connector, filter-adapter and Filter Press-Fit connector. Also available with a mix of different capacities in one filter connector.

Deltron D-Sub filter connectors are characterized by a very good filter quality. The FP and PI filter connectors, especially developed for industrial applications, offer excellent protection against EMI and RFI.

The products are manufactured according to the standards MIL-C-24308 and IEC60807 (DIN41652).

A standard range of 180 to 6800 pF is available, other capacities on request.

In addition, the filter plate is metalized on the rear side, so that a high f-tightness is achieved.

The filter connectors are available in various versions and assembly options such as brackets, rivet nuts, hex screws or board locks.

Hoods for D-Sub connectors

DELTRON AG OFFERS A WIDE VARIETY OF BACKSHELLS

for D-Sub connectors, ranging from plastic hoods in black, coloured or metallized (shielded) designs to interference-free full metal hoods.

Also available for flat ribbon cable connectors and in an IP67 version.

Our D-Sub hoods are available from 9 to 50 way, black, colored, metallized and in solid metal. The 180°, 90° and 45° hoods are optionally available with UNC4-40, M3, M2.5 threads or with sliding lock.

The metalized version ha an attenuation of at least 40 dB at 100MHz. Zinc die-cast hoods, are between 30 MHz and 1GH, > 40dB.

Customized solutions

DELTRON STANDS OUT OF THE COMPETITION,

by offering customized connectors in low quantities. From simply modification of existing products to a completely new design for end-user applications.

Development and production of:

- D-Sub connectors
- D-Sub hoods
- Transcoding and replication of existing, possibly discontinued (EOL) special and standard connectors
- General connectors
- General connector housings and hoods
- Customized connector assemblies and mounting versions
- Connector adapter
- Adapter housing and hoods
- Waterproof or gas-tight potting products
- Hot Melt casting technology (with partner company)
- Special signal contacts and power contacts
- Plastic injection moldings
- Item kittings and custom sets

Companies from the following industries are counted among our customers:

- Aircraft construction
- Railway Technology
- Measuring equipment manufacturers
- Military and security

- Nuclear Technology
- Telecom
- Measuring devices
- Test Equipment
- Regeldrucktechnik
- Medical technology
- Energy technology
- Photovoltaic technology

AVAILABLE DEPARTMENTS:

- R & D mechanical
- Mechanical workshop
- Mechanical parts control
- Plastic injection molding
- Assembly of all kinds
- Cable assembly

OUR EXPERTISE:

- R&D services
- Toolmaking
- Prototype manufacturing
- Plastic injection tool manufacturing
- 3D printing (with partner company)

Precision machined, turned metal parts

HIGH-QUALITY CUSTOMIZED PARTS

«Swiss type lathe» rotated, or CNC machine manufactured «Special» parts, signal contacts and power contacts.



Customized quality parts, signal or power Contacts to reach the required quality connection.

Deltron AG not only develop and produce some of the worlds leading D-Sub connectors, we also offer a fully customized parts service. Our customer-specific contacts are available in both straight and angled shapes and can be incorporated into numerous applications.

Individually machined and precision contacts are manufactured from Brass and can be lead-free tinned or gold-plated. Customers can also advise on any other plating material they require.

In order to develop the most optimal solution for these custom designed products and specialized applications, close cooperation with our customer is required. Here, our world leading engineers will discuss your desired parameters and will guide you through the design process to ensure you receive the best possible solution.

We can also offer you customized parts such as:

Hexagonal Screws for e.g. D-Sub-Connectors

- Made of Steel or Copper Alloy
- Nickel, tin or zinc plated finish
- Hexagonal screws & Hexagon screws Sets, UNC4-40 or M3 threaded
- Special version on request