



The new Low Voltage D-Series mechanical cable lug.
Compact design. Optimum performance.

Range-taking mechanical cable lugs for power cables in low voltage applications up to 240 mm².

Nexans launches the D-Series, our new state-of-the-art low-voltage mechanical connector series. This product range was developed following DIN V EN 47640 and is electrically tested according to IEC 61238-1 class A connector standard for medium voltage products.

Nexans Power Accessories Germany brings a new GPH connection technology to the market.

GPH



The facts make the difference.

All-rounder for LV apps

Mechanical cable lugs of the D-Series are fully tin-plated. They allow the connection of copper and aluminum conductors of all designs and cross-sections between 1.5 mm² and 240 mm². With only 2 mechanical cable lugs (D1.5-35 SK, D50-240 SK) conductors of this cross-section area can be safely connected in a most efficient way.

High installation quality

The mechanical D-Series connectors can be installed quick and simple with common commercially available inner and outer hexagon tools.

Reliability and tested for safety

The patented GPH mechanical connection technology compensates conductor tolerances always with an optimum contact force. The original design of the D-Series was also tested successfully according to the medium voltage standard IEC 61238-1 class A and allows long-lasting contact quality of the application.

Electrical performance at its best

To create best possible contacts and to minimize the screw excess length 3 bolt types and 5 galvanically

tin-plated connector body sizes are available. According to your area of application it can be chosen between hexagon socket bolts, comfortable single or double shear-off-head bolts.

Special conductor channel

The special conductor channel of the D-Series allows the installation of common sector conductors (se/sm) from 35 mm² without previous mechanical reshaping of the conductors.

One stop shop

From one source we offer for your low-voltage applications reliable and economic power accessories and kits with components optimally coordinated.

Nexans Power Accessories Germany GmbH

Nexans Power Accessories Germany GmbH has been a leader in pre-assembled cable accessories for more than 55 years. The company is specialized in manufacturing of low, medium and high voltage accessories as well as mechanical connectors and cable lugs.

The new Low Voltage D-series. - Evolution of GPH mechanical connectors - Compact design, optimum performance -

Nexans launches the newly designed "D"-series mechanical connectors for low voltage applications (0,6/1 kV) which are a consequent development of the approved and reliable GPH "SV"-series.

Within the approved span of application the new low voltage "D"-series connectors allow the connection of equal as well as different cross sections regardless of the conductor material, form and design.

Due to the high performance the cross sections from 1,5 to 240mm² can be covered with only 3 connectors (D1,5-16, D16-95 and D50-240).

In total 7 sizes with tin-plated surface are available. They fulfill the requirements of the norm DIN V 47640 and are tested acc. to DIN EN 61238-1 by external accredited test laboratories.

To establish the contact and to minimize the excess bolt length, 3 types of bolts are available:
Depending on the application range and connector size grub

screws, comfortable single or multiple-shear-off-head bolts can be chosen. With the multiple-shear-off-head bolts the contacting at optimum contact force for an extraordinary wide clamping range like 4-50mm² is given.

The special inner bore of the "D"-series enables the contacting of all common sector shaped conductors from 35 mm² (solid and stranded) without any prior mechanical adaption of the conductors.

Connectors with shear-off-head bolts are easy and quick to install with the help of standard hand tools, impact wrench and the new Torque Amplifier.



DMV65 - Torque amplifier tool

Product properties

- tested acc. to DIN 61238-1
- connector bodies tin-plated
- cross sections from 1,5 mm² to 240 mm²
- 7 sizes available
- with inspection hole or oilstop barrier
- for Al or Cu conductors
- suitable for round stranded, sector stranded, round solid and sector solid conductors
- minimized excess length due to patented multiple-shear-off-head bolts
- quick, easy and economic installation

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