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400 VDC connector according to IEC TS

- First connector system in accordance with IEC TS 62735 and IEC TS 63236
- Rewirable connectors, appliance inlets and outlets
- Hot plug-capable for disconnection under load up to 2.6 kW and up to 105°C operating temperature
- Use of bio-based plastics on the appliance side

Product

After launching the first 400 VDC connectors (GP21 and GS21) in accordance with IEC TS 62735, SCHURTER is now adding models GC21 and GH21/GI21 on the device side - of course IEC-compliant. From the network to the device: The SCHURTER 400 VDC family is the first DC connector solution available worldwide to be complete according to IEC TS.

With the GP21 and GS21 connectors, SCHURTER launched the world's first DC connector systems standardized according to IEC TS 62735-1 for efficient power distribution in data centers, for power distribution strips and UPS applications back in 2019.

The GH21 and GI21 appliance Inlets are brand new. The GI21 model is designed for pure DC operation, while the GH21 is a hybrid version and can therefore accept both AC and DC current. SCHURTER also offers the rewirable GC21 Connector to match the appliance Inlets. A cord retention system developed from scratch ensures safe operation in everyday use. All three new products are made from a bio-based plastic (Green Plastic).

The advantages of DC

With a pure DC supply, cost-intensive and failure-prone transformations and conversions, including their components, are completely eliminated. Operational reliability increases with improved efficiency. And climate-friendly technologies that generate direct current are becoming established in energy generation.

IEC TS 62735-1 / IEC TS 63236

Due to its properties, the standards for direct current (2.6 kW) require a more complex connector connection design as DC arcs must be avoided when disconnecting the supply. Another highlight is the extended temperature range of the connector pins from -5 °C to +105 °C.

Matching cables

Under the designation SPC1, SCHURTER now also offers suitable, customized DC power cables for all connection options on request.

Availability and Samples

All the articles in the variant table are available from SAG's stock. Larger quantities on request. Check availability on the website under [Datasheet \[1\]](#).

Additional Information

The Product Training provides additional background information about the advantages, USPs and many uses of the product. The Data Sheet [1] contains detailed information about the technical specifications, order numbers as well as CAD-Data and approval information. The PR texts, -adverts and product images are available on the Digital Asset Management Server [DAM \[2\]](#).

Please do not hesitate to contact us in case of any questions.

Best Regards,

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Links to this Sales Info

[1] Data Sheet GC21 <https://www.schurter.com/en/datasheet/GC21>

GH21 <https://www.schurter.com/en/datasheet/GH21>

GI21 <https://www.schurter.com/en/datasheet/GI21>

GP21 <https://www.schurter.com/en/datasheet/GP21>

GS21 <https://www.schurter.com/en/datasheet/GS21>

[2] SCHURTER DAM: <https://dam.schurter.com/web/d6456670adbaf13b/launch-400vdc-gc21-gh21-gi21/?viewType=grid>

New Part Numbers

Material	Short Text	Configurations-Code
3-142-747	GC21 Connector rewirable 2.6kW 400V DC S2	GC21-1000

Material	Short Text	Configurations-Code
3-142-749	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-11100-000
3-142-750	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-11110-000
3-142-751	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-11115-000
3-142-752	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-11120-000
3-142-753	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-22200-000
3-142-754	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-22210-000
3-142-755	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-22215-000
3-142-756	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-22220-000
3-142-757	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-33300-000
3-142-758	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-33310-000
3-142-759	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-33315-000
3-142-760	GI21 Connector Inlet 2.6kW 400V DC S1	GI21-33320-000

Material	Short Text	Configurations-Code
3-142-761	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-11100-000
3-142-762	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-11110-000
3-142-763	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-11115-000
3-142-764	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-11120-000
3-142-765	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-22200-000
3-142-766	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-22210-000
3-142-767	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-22215-000
3-142-768	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-22220-000
3-142-769	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-33300-000
3-142-770	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-33310-000
3-142-771	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-33315-000
3-142-772	GH21 Connector Inlet 2.6kW 400V AC/DC S1	GH21-33320-000

Existing Part Numbers

Material	Short Text	Configurations-Code
3-101-786	GP21 Plug Connector rewirable 2.6kW 400V DC S2	GP21-001-00-00

Material	Short Text	Configurations-Code
3-101-785	GS21 Connector Outlet 400V DC 2.6kW S1	GS21-111-15-00-0000-00
3-104-044	GS21 Connector Outlet 400V DC 2.6kW S1	GS21-111-20-00-0000-00
3-104-045	GS21 Connector Outlet 400V DC 2.6kW S1	GS21-222-15-00-0000-00
3-104-046	GS21 Connector Outlet 400V DC 2.6kW S1	GS21-222-20-00-0000-00
3-104-047	GS21 Connector Outlet 400V DC 2.6kW S1	GS21-333-15-00-0000-00
3-104-048	GS21 Connector Outlet 400V DC 2.6kW S1	GS21-333-20-00-0000-00