

Weidmüller RockStar®: As fast as a SNAP of your fingers!

The new SNAP IN connection revolutionises wiring – now even for heavy-duty connectors.

Detmold, 15th of September 2022. *Efficient wiring has a name: SNAP IN. Weidmüller's revolutionary connection technology allows the creation of reliable, lasting connections in record time. The system does not require tools and is really easy to use, since SNAP IN was designed for the easy connection of flexible, finely stranded conductors without crimped-on wire-end ferrules. Weidmüller is the only provider to date to offer a wide product spectrum with SNAP IN connection technology – from terminal blocks for panel building to heavy-duty connectors for the railway industry. The Detmold-based electrical engineering company even received the German Innovation Award 2022 for the innovative SNAP IN technology recently.*

With SNAP IN, Weidmüller is revolutionising connection systems and bringing them to a new level. Flexible, finely stranded conductors without crimped-on wire-end ferrules are simply inserted into the open connection points and... Click! A secure connection is created straight away. No tools are required. As a result, the connection system is also suitable for the fully automatic wiring processes of the future. The connections can withstand even harsh ambient conditions with severe shaking and vibrations. By simply actuating the pusher, the operator can open the connection point again and remove the connected conductor.

Honoured by the German Innovation Award 2022

The innovative SNAP IN connection system was first used in the fixed-pole inserts and modules of the RockStar® series. With the HDC inserts, wiring can be carried out more reliably, quickly, flexibly and easily. Maintenance work was made significantly faster. The SNAP IN technology has now been integrated into other Weidmüller product ranges such as the Klippon® Connect terminal blocks and OMNIMATE® 4.0 PCB connectors in order to bring wiring processes up to speed. Recently, Weidmüller received the German Innovation Award 2022

for this innovative connection technology. This award honours products and solutions from all sectors that differ from previous concepts primarily in terms of their user orientation and added value. The prize is awarded each year by an independent jury and draws attention to innovations.

Simple & reliable: RockStar® heavy-duty connectors with SNAP IN connection technology

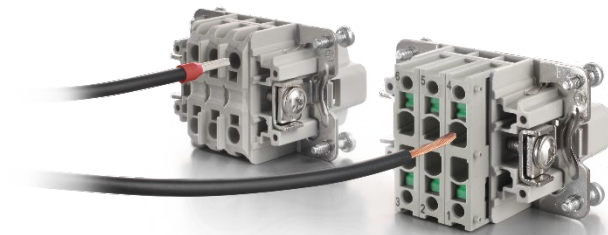
RockStar® heavy-duty connectors are permanent features in the machinery and plant engineering sector and rail and wind industries. They support the trend towards modularisation and have a wide range of uses. Weidmüller offers inserts with different connection systems depending on the type and application. This includes screw, tension clamp, PUSH IN, crimp and axial screw connections. Now, inserts with the future-proof SNAP IN connection have been added to the range. As a result, users are now also able to benefit from the advantages of SNAP IN technology for heavy-duty connectors. For the first time, stripped, flexible, finely stranded conductors can be plugged directly into connection points. There's no need for crimped-on wire-end ferrules, which significantly reduces material and processing costs as well as required time. The connection point closes of its own accord once the stripped conductor has reached the right position and triggers a spring. The contact closes like a mousetrap with a clearly audible click. The strong spring mechanism reliably ensures a vibration-proof, gas-tight and lasting connection, as required in challenging environments in the rail and wind industries. To release the conductor, the pusher simply needs to be pressed. This can be done with a normal screwdriver. The contact point opens and is automatically pre-tensioned for the next wiring action.

HDC SNAP IN inserts: Perfectly designed and uniquely flexible

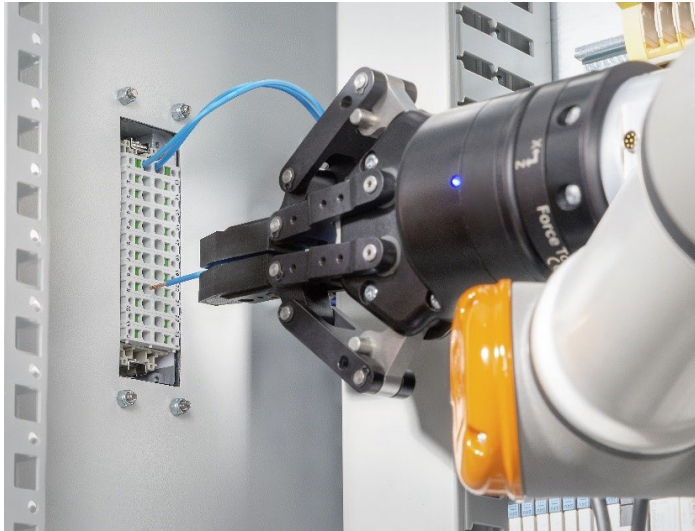
At present, Weidmüller is the only provider on the market to offer this technology in several product ranges, including HDC inserts and modules. With SNAP IN, flexible, finely stranded conductors from 1 to 2.5 mm² can be connected quickly and easily without crimped-on wire-end ferrules. The use of finely stranded

conductors with wire-end ferrules and plastic collars is still possible, and here the conductor cross-section range is 0.5 mm² to 2.5 mm² (AWG 20 to 16). Each contact point of the HDC SNAP IN inserts and modules has a testing point that allows test taps with a 2.0 mm standard test plug – as already known in relation to terminal clamps. The fixed-pole HDC-HE SNAP IN inserts are available with 6, 10, 16 and 24 poles (sizes 3, 4, 6 and 8). The rated voltage as per DIN EN 61984 is 500 V; as per UL/CSA, it is 600 V AC/DC. The rated current as per DIN EN 61984 is 16 amps. The plastic housing of the HDC-HE SNAP IN inserts consists of glass-fibre reinforced polycarbonate with PA 66/6 insulating material. The plastic is UL-listed, has flammability class V-0 as per UL 94 and is therefore approved for railway applications. The inserts can be used without problems in a temperature range from –40°C to +125°C. They are also plug-compatible with existing HDC-HE inserts with crimp, screw, tension clamp and PUSH IN connection systems. You can't get more flexible than this.

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Caption: Connect faster than ever before: The new SNAP IN connection technology will take your wiring processes to a whole new level. With SNAP IN, installation and maintenance work can be performed as quickly as snapping your fingers – in automated manual wiring processes.



Caption: With the heavy-duty RockStar® connectors, Klippon® terminal blocks and OMNIMATE® 4.0 PCB connectors, Weidmüller is the only provider to offer a wide product range with the innovative SNAP IN connection technology

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Weidmüller - Your Partner in Industrial Connectivity

The Weidmüller Group has production facilities, marketing companies and representative offices in over 80 countries. We and our customers shape the digital transformation – with products, solutions and services for Smart Industrial Connectivity and the Industrial Internet of Things. Weidmüller has approx. 5,300 employees, and achieved sales of €960 million in the 2021 financial year.

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