

podis®

SMART CHARGING

Decentralized flatcable system for supplying charging stations.



THE BENEFITS TO YOU:

+ Time saving

Faster during initial installation, conversion and expansion – no need for dismantling or stripping

+ Lower costs

30% lower installation costs

+ Future-proof

can be expanded at any point

+ Safe to operate

thanks to maintenance-free penetration contact

With podis®, you can create the charging infrastructure in underground garages or parking facilities on one flat cable for up to 20 charging stations.

The advantage of this is that the flat cable system can be quickly expanded to include additional charging stations. Often, only a small number of charging stations are needed for initial installa-

tion. Retrofitting in the conventional way is a time-consuming business. With the flat cable system, the basis for additional charging stations is established during the initial installation. Once the flat cable is installed, another connecting module simply needs to be added if required. This saves considerable installation time compared to conventional retrofitting.



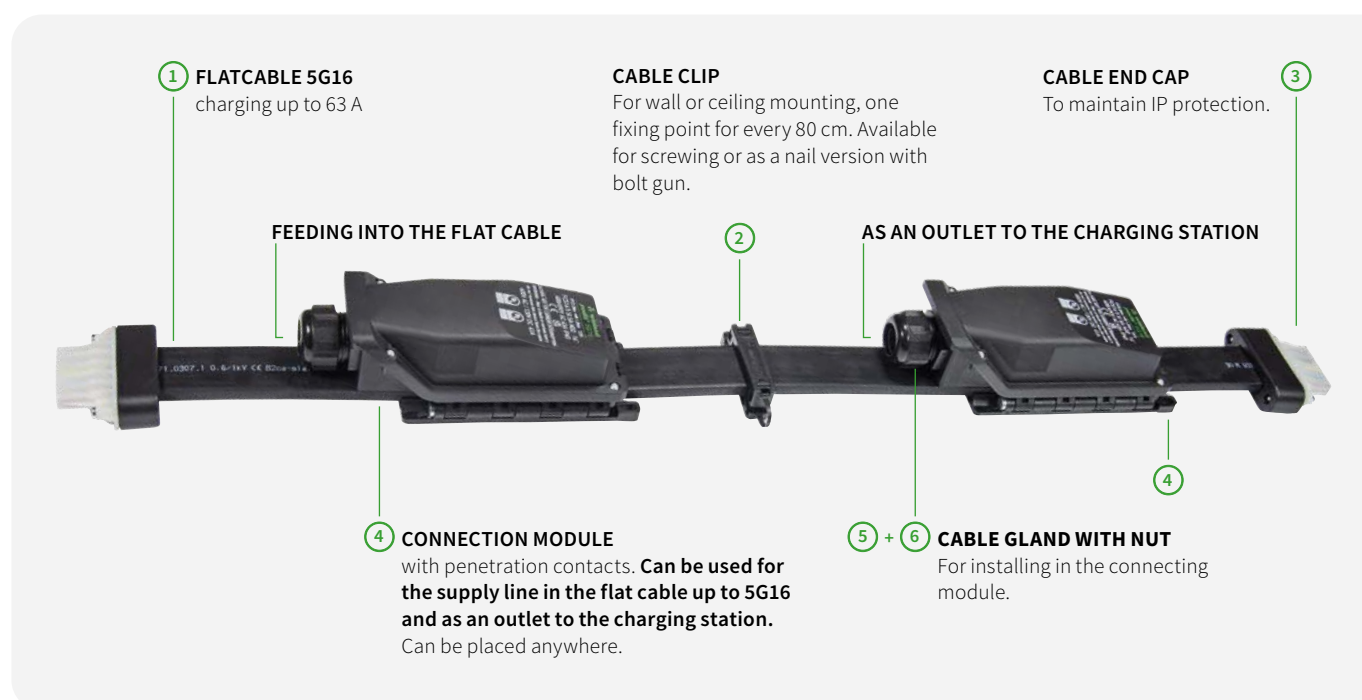
TYPES OF INSTALLATION OF PODIS®

Two flexible options for every project: install the supply for your charging stations quickly and easily with our podis® flat cable and the connection

modules with cable glands. You can save even more time by combining it with the RST® system by replacing the connection modules that serve the

charging station with plug-in connection modules. The feed into the flat cable is still realized with the connection module for conventional wiring.

INSTALLATION WITH CONVENTIONAL WIRING



FEATURES

- Outgoing module with conventional wiring
- Wiring the connection modules at the installation site
- Connection cross-section of outgoing cable 1.5 - 16 mm²
- Rated current 63 A
- Rated voltage up to 690 V

PODIS® FLAT CABLE WITH ACCESSORIES

Designation	Art. No.
① Flat cable 5G16	00.771.0307.1
② Cable clip Screw	05.569.7453.0
③ Cable end cap	Z6.563.6553.0

CONNECTION MODULE WITH ACCESSORIES

Designation	Art. No.
④ Connection module with cut-out for cable gland	75.456.0053.1
⑤ Cable gland 18-25 mm	Z5.507.1653.1
⑥ Nut	05.505.0353.1





INSTALLATION WITH RST® Pluggable SYSTEM

**PLUG +
PLAY**



SIMPLY BECOMING PLUG-IN

For plug-in outlets to the charging stations, replace positions 4, 5 and 6 with position 7 and one of the positions from 8 – 13.



7 CONNECTION MODULE RST25
Connecting module with integrated plug-in connection to the 5-pole RST® system.



8 - 13 CONNECTION CABLE RST25 H05Z1Z1 - 5G6 cable assembled with RST® plug-in connector and open end.

FEATURES

- Pluggable outgoing module with RST25
- Factory-assembled cables with RST® connector system
- 5G6 round cable
- Up to 32 A taking into account the derating curve (see Technical Appendix)
- Rated voltage 400 V

PLUG-IN CONNECTION MODULE AND ASSOCIATED ASSEMBLED CABLES

Designation		Art. No.
7	Connection module, plug-in RST25	75.453.0053.1
8	Connection cable 5G6 RST25	0.5 m 99.456.0124.0
9	Connection cable 5G6 RST25	1.0 m 99.453.0124.0
10	Connection cable 5G6 RST25	1.5 m 99.454.0124.0
11	Connection cable 5G6 RST25	2.0 m 99.455.0124.0
12	Connection cable 5G6 RST25	2.5 m 99.459.0124.0
13	Connection cable 5G6 RST25	3.0 m 99.460.0124.0

1x feed-in with conventional wiring module up to 63 A



All outlets to the charging stations with plug-in module up to 32 A

CIRCUIT BREAKER MODULE: RESIDUAL AND OVERCURRENT

The podis® fuse module serves both as a connection to the flat cable and for integrating the overcurrent protection device using an MCB or the combined overcurrent and residual current protection device using a RCBO.



Art. No.	Designation	Internal device	Output
75.456.0955.1	RCBO 32 A M32	4-pole RCBO type AC32 A / 30 mA & SL terminal 6 mm ²	for cable gland M32
75.456.0855.1	RCBO 16 A M32	4-pole RCBO type AC16 A / 30 mA & SL terminal 6 mm ²	for cable gland M32
75.456.1255.1	RCBO 32 A RST25	4-pole RCBO type AC32 A / 30 mA	Pluggable with RST25
75.452.1353.1	RCBO 20 A RST20	4-pole RCBO type AC20 A / 30 mA	Pluggable with RST20
75.456.1155.1	RCBO 16 A RST20	4-pole RCBO type AC16 A / 30 mA	Pluggable with RST20
75.456.1755.1	MCB 32 A M32	4-pole MCB C32 A	for cable gland M32
75.453.1755.1	MCB 32 A RST 25	4-pole MCB C32 A	Pluggable with RST25

DOUBLE OUTPUT MODULE

Innovative product design for more flexibility Innovative product design for more flexibility.



Art. No.	Designation	Info
75.456.0353.1	Double output for conventional wiring	2x cut-out for M32 cable gland
75.453.0353.1	Double output in pluggable design	2x output RST25, pre-wired
75.456.0753.1	Single input / output with break-out for M32	Single breakout for M32
75.456.0553.1	Single input / output with break-out for M32	Integrated top-hat rail and space for 3 dividing units

DOUBLE OUTPUT MODULE

Optimized for maximum time savings, increased performance and easy handling.



Art. No.	Designation	Info
05.569.7453.0	Cable clip screw, with quick-locking mechanism	with distance to the substrate, with clips for optional cable tray fastening
05.569.7553.0	Cable clip nail, with quick-locking mechanism	with distance to the substrate, for fastening with nail gun. Recommended setting tool: "HILTI BX 3-ME"; Recommended nails: "X- B3 MX" (concrete), "X-S B3 MX" (steel) in combination with 05.569.7453.0 / 05.569.7553.0
05.569.7753.0	Clip basket	
F0.000.0055.7	Pipe clamp D20	• for adaptation to 05.569.7453.0 / 05.569.7553.0
F0.000.0056.x	Pipe clamp D25-50	• x=3: D25, x=4: D32, x=5: D40, x=6: D50

E-SHOP

Further technical information and assembly instructions can be found online under the order no. concerned in our e-shop:
eshop.wieland-electric.com



CLICK AND DONE

For more information on setting up a charging infrastructure with decentralized power distribution, please visit our website here:
charge.wieland-electric.com/en/



SAMPLE CASE

See for yourself. Our podis® sample case contains all the components you need to connect the podis® power bus system.



Art.No. 99.789.0000.0

BEHIND EV CHARGING.

The system solution for an innovative charging infrastructure.

Art. No. 0438.1

