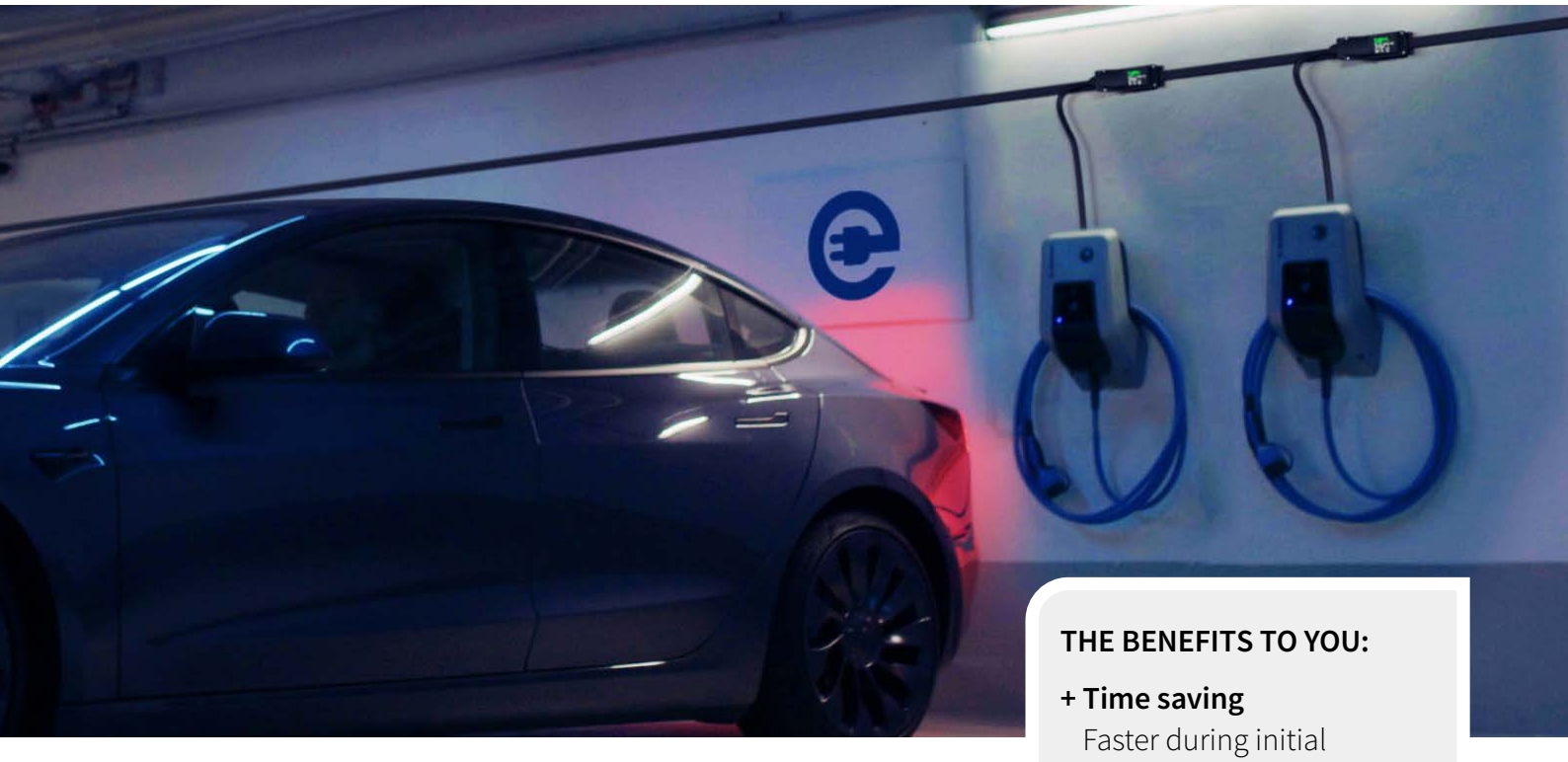
wieland

podis®

SMART **CHARGING**

Decentralized flatcable system for supplying charging stations.



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 installation. 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.

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

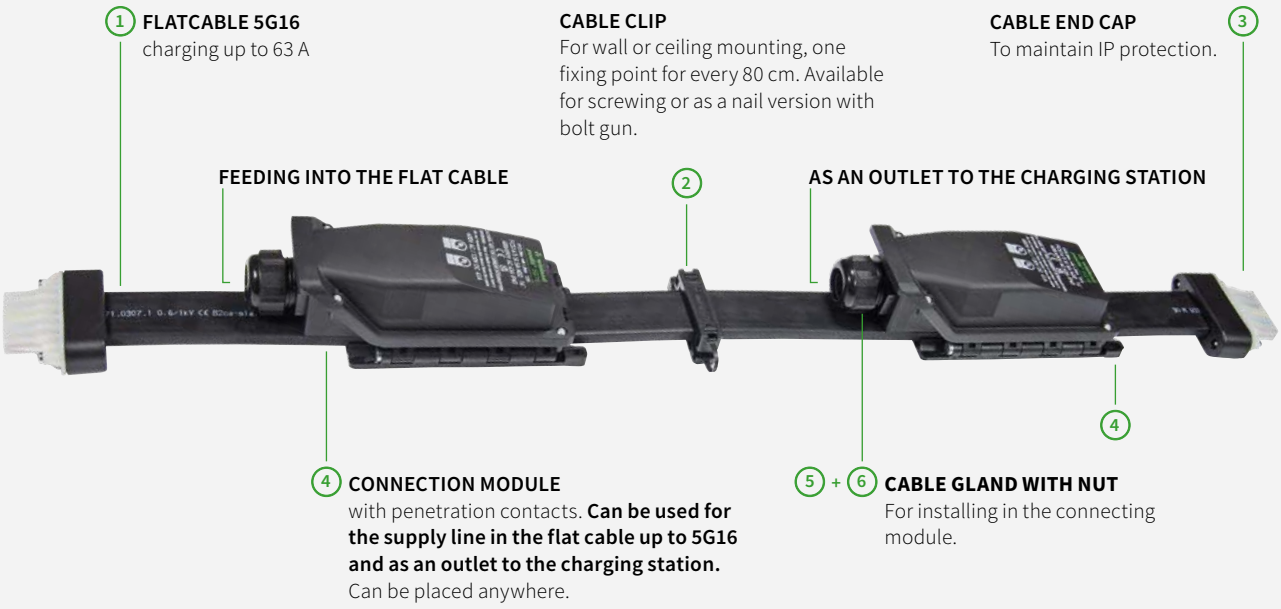
+ Future-proof
can be expanded at any point

+ Safe to operate
thanks to maintenance-free penetration contact

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

CONNECTION MODULE BECOMES PLUG-IN

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

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 A C32 A / 30 mA & SL terminal 6 mm²	for cable gland M32
75.456.0855.1	RCBO 16 A M32	4-pole RCBO type A C16 A / 30 mA & SL terminal 6 mm²	for cable gland M32
75.456.1255.1	RCBO 32 A RST25	4-pole RCBO type A C32 A / 30 mA	Pluggable with RST25
75.452.1353.1	RCBO 20 A RST20	4-pole RCBO type A C20 A / 30 mA	Pluggable with RST20
75.456.1155.1	RCBO 16 A RST20	4-pole RCBO type A C16 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)
05.569.7753.0	Clip basket	in combination with 05.569.7453.0 / 05.569.7553.0
F0.000.0055.7 F0.000.0056.x	Pipe clamp D20 Pipe clamp D25-50	• for adaptation to 05.569.7453.0 / 05.569.7553.0 • 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

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

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/

BEHIND EV CHARGING.

The system solution for an innovative charging infrastructure.
Art. No. 0438.1

wieland

Wieland Electric GmbH
Brennerstraße 10 – 14 · 96052 Bamberg · Germany
Phone +49 951 9324-0 · info@wieland-electric.com

Represented in over 70 countries worldwide:

www.**wieland**-electric.com

0840.1 MC 12/24 | Subject to technical modifications!