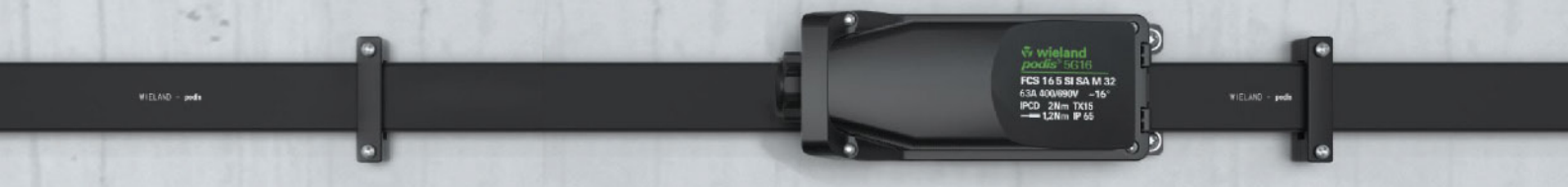
DATA SHEET
podis® 5G6

SEVR



wieland



BEHIND EV CHARGING: PODIS

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SMART CHARGING

Decentralized power bus system for supplying charging stations.



BENEFITS

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

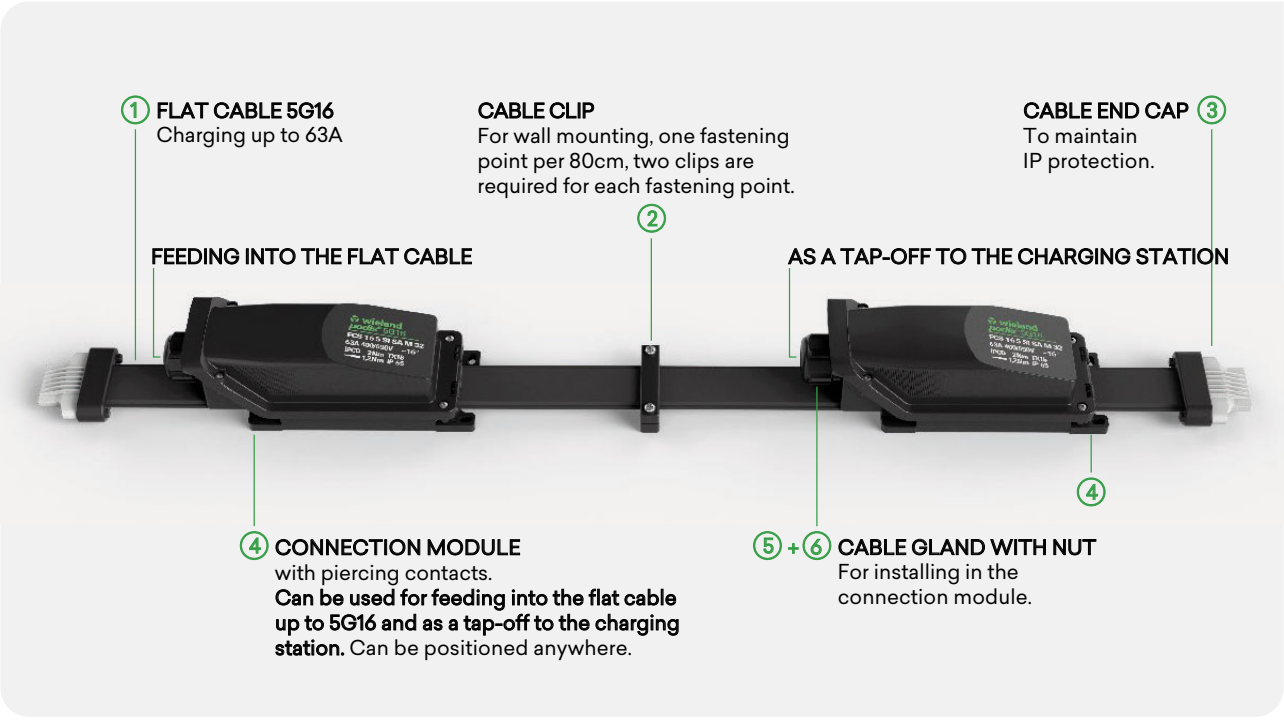
With podis®, you can create the charging infrastructure in underground garages or parking facilities on one flat cable for up to 20 charging stations.

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 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.

podis® flat cable system is Australian compliant, Certificate of Suitability EESS-230855-0. All connection modules and accessories are UV-resistant in accordance with EN-ISO 4892 (status 2021-11). The flat cables are UV-resistant in accordance with EN 50618. The hinged covers of the safety modules are not UV-resistant.

Installation with podis® + cable gland

Install the supply for your charging stations quickly and easily with our podis® flat cable and the connection modules with cable glands.



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podis® installation components

To find out how to make the process even faster, take a look on the right. Further components, accessories and tools can be found on the last page.

PODIS® FLAT CABLE WITH ACCESSORIES

	Code	Description
1	SV-00.771.0307.1	Flat cable 5G16
2	SV-07.432.8100.0	Cable clip
3	SV-Z6.563.6553.0	Cable end cap

CONNECTION MODULE WITH ACCESSORIES

	Code	Description
4	SV-75.456.0053.1	Connection module with cutout for cable gland
5	SV-Z5.507.1653.1	Cable gland 18-25mm
6	SV-05.505.0353.1	Nut



PLUG + PLAY



CONNECTION MODULE BECOMES PLUGABLE

SIMPLY BECOME PLUGABLE
For pluggable 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**
connection module with integrated plugable connection to the 5-pole RST® system.

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

Installation with podis® + plugable system RST®

You can save even more time by replacing the connection modules that act as a tap-off to the charging station with pluggable connection modules. These modules are preassembled internally. The matching plug-in, assembled cable is used for this purpose.

	Code	Descripton
7	SV-75.453.0053.1	Connection module, pluggable RST25
8	SV-99.456.0124.0	Connection cable 5G6 RST25- 0.5m
9	SV-99.453.0124.0	Connection cable 5G6 RST25 - 1.0m
10	SV-99.454.0124.0	Connection cable 5G6 RST25 - 1.5m
11	SV-99.455.0124.0	Connection cable 5G6 RST25 - 2.0m
12	SV-99.459.0124.0	Connection cable 5G6 RST25 - 2.5m
13	SV-99.460.0124.0	Connection cable 5G6 RST25 - 3.0m

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Other Components, Accessories & Tools

	Code	Model	Description
	SV-75.450.0014.3	End feed-in box 35mm²	For feeding in at the end of the flat cable with up to 35mm²
	SV-75.450.0114.3	End feed-in box 70mm²	For feeding in at the end of the flat cable with up to 70mm²
	SV-Z5.507.1753.1	Cable gland 10 - 21mm	For installing in the connection module
	SV-05.601.2519.0	Mounting bracket, standard	From stainless steel V2A
	SV-05.601.2419.0	Mounting bracket with pipe holder	From stainless steel V2A, with additional mount for installation pipe Ø 20mm
	SV-96.85A.0560.3	Connecting cable 5G6 RST25 length 0.5m	Assembled cable with RST25 male – female
	SV-96.85A.1060.3	Connecting cable 5G6 RST25 length 1.0m	Assembled cable with RST25 male – female
	SV-96.85A.1560.3	Connecting cable 5G6 RST25 length 1.5m	Assembled cable with RST25 male – female
	SV-96.85A.2060.3	Connecting cable 5G6 RST25 length 2.0m	Assembled cable with RST25 male – female
	SV-96.85A.2560.3	Connecting cable 5G6 RST25 length 2.5m	Assembled cable with RST25 male – female
	SV-96.85A.3060.3	Connecting cable 5G6 RST25 length 3.0m	Assembled cable with RST25 male – female
	SV-98.554.1200.6	Fuse box : SPZ 4P-FI-C16-A-R25-1/1	With RST® and integrated FI-LS 16 A
	SV-98.554.1200.7	Fuse box : SPZ 4P-FI-C32-A-R25-1/1	With RST® and integrated FI-LS 32 A
	SV-98.554.1200.0	Fuse box: SPZ EVC kit R25-1/1	With RST®, without internal devices
	SV-F0.000.0051.9	Cutting tool	
	SV-95.350.1000.0	Stripping knife	

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POWER DISTRIBUTION

The flexible power bus for industrial applications.



BENEFITS

TIME SAVING
No dismantling or removal of insulation necessary

FLEXIBLE
Extendable anytime, at any point

FUTURE PROOF
Permanent high contact quality thanks to the copper displacement technology

The power bus system podis® is dedicated for the decentral power distribution in machines and plants with large dimensions.

Now, this successful system got extended by a new range of more powerful cable and components. Much larger loads can be supplied compared to the existing solution. The power bus is ideally used in applications such as conveyors at airports and warehouses, parcel and post distribution centres, also in production plants like in the automotive industry.

Applications

- Machines and plants with large dimensions
- Airports
- Warehouses
- Logistics centers for parcel & post
- Production facilities
- Manufacturing facilities
- Automotive industry

The connection modules are designed for higher current and available for higher voltage. At the same load the voltage drop is reduced in installations with very long cable lengths.

podis® does convince its users especially by its fast and safe installation, thanks to the copper displacement technology without any dismantling or removal of insulation. So the systems provide the highest flexibility during set-up of a plant, as well as in extensions or rearrangement afterwards.

The modular system podis® provides feed-in modules, tap-off modules, distribution modules, disconnector switches, fixed and pluggable tap-offs, pre-manufactured cable harnesses and a useful range of accessories.

Features

- 5 core tray cable system
- 6mm² cable size
- Cores in one plane
- Connecting cable: up to 16mm²
- Current load: 41 A
- Voltage resistance:
  IEC: 690 V, UL: 600 V



Advantages

- Higher current
- Higher load
- More drives per segment
- Less feed-in connections and feeder cables
- Less complexity
- Less voltage drop
- Longer cable sections

	Code	Description	Type
1	SV-00.729.0305.1	Flat cable 5G6, multinorm VDE and UL	XPE 5G6
2	SV-Z6.563.6053.0	Cable end cap	
3	SV-75.252.0153.1	Tap-off module, reduced height	FCS 6 5 SI SA RST20i5 LH
4	SV-75.250.0053.1	Feed-in module	FCS 6 5 SI SA M32
5	SV-75.256.0153.1	Tap-off module, reduced height	FCS 6 5 SI SA M25 LH
	SV-75.252.0053.1	Tap-off module	FCS 6 5 SI SA RST20i5
	SV-75.256.0053.1	Tap-off module	FCS 6 5 SI SA M25

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HIGH CURRENT

Decentralised power bus system for high current loads in industrial applications.



BENEFITS

TIME SAVING
No dismantling or removal of insulation necessary

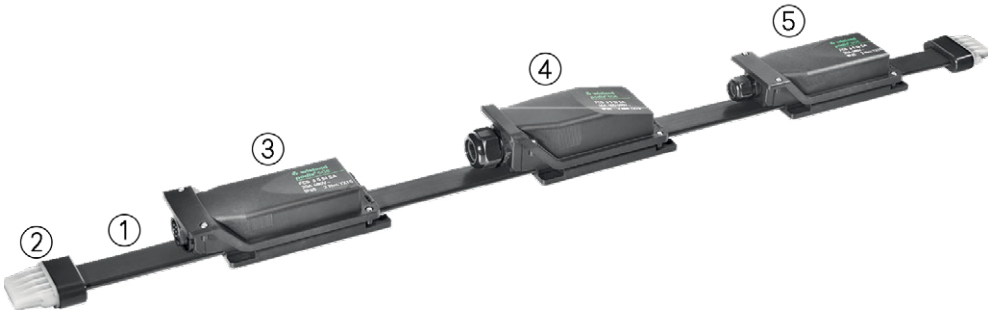
FLEXIBLE
Extendable anytime, at any point

FUTURE PROOF
Permanent high contact quality thanks to the copper displacement technology

The podis® power bus system is ideal for decentralised power distribution in machines and systems with large dimensions. The power bus portfolio has now been extended to include a new variant for high currents. Significantly higher loads can now be supplied on a flat cable section. This means that the main distribution for a conveyor line, for example, can be installed very easily. Supply lines and main distribution cabinets can mostly be avoided or can be reduced in numbers and decreased in size. The podis® tray cable power bus is suitable for conveyor systems at airports and in warehouses, in logistics centers for parcel & post, and in production facilities for instance in the automotive industry or for supplying manufacturing facilities.

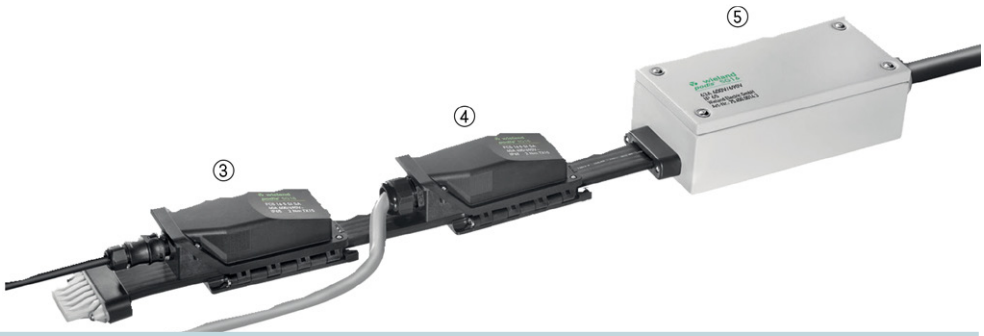
Applications

- Warehouses
- Logistics centers for parcel & post
- Production facilities
- Manufacturing facilities
- Automotive industry



Features

- 5 core tray cable system
- 16mm² cable size
- Cores in one plane
- Connecting cable: up to 16mm² in the centre feed, up to 70mm² in the end feed
- Current load IEC 63 A
- Voltage resistance: IEC: 690 V, NEC: 600 V



Advantages

- Higher current
- Higher load
- More drives per segment
- Less feed-in connections and feeder cables
- Less complexity
- Less voltage drop
- Longer cable sections

	Code	Description	Type
1	SV-00.729.0305.1	Flat cable 5G6, multinorm VDE and UL	XPE 5G6
2	SV-Z6.563.6053.0	Cable end cap	
3	SV-75.252.0153.1	Tap-off module, reduced height	FCS 6 5 SI SA RST20i5 LH
4	SV-75.250.0053.1	Feed-in module	FCS 6 5 SI SA M32
5	75.256.0153.1	Tap-off module M25	FCS 6 5 SI SA M25 LH
6	75.450.0014.3	End Feed-In M50	FCS 16 5 SA SA M50
	75.450.0114.3	End Feed-In M63	FCS 16 5 SA SA M63

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PODIS® CIRCUIT BREAKER MODULE – CON5G16



BENEFITS

- Additional, remote circuit breaker box not required
- Time saving
- Cost savings
- Error reduction
- Less space required
- Fewer components

Features

- Built-in RCBO
- Completely pre-wired pluggable models with RST® or models wired up to the internal device with output for cable gland (6mm² each)
- Protection rating IP65
- Lockable with separate lock

MODELS PODIS® CON 5G16 CIRCUIT BREAKER MODULE

Code	Type	Internal Device	Output
SV-75.456.1255.1	RCBO 32 A RST25	4-pole RCBO type A C32 A / 30 mA	Pluggable with RST25
SV-75.456.1155.1	RCBO 16 A RST20	4-pole RCBO type A C16 A / 30 mA	Pluggable with RST20
SV-75.456.0955.1	RCBO 32 A M32	4-pole RCBO type A C32 A / 30 mA & PE terminal 6mm²	for cable gland M32
SV-75.456.0855.1	RCBO 16 A M32	4-pole RCBO type A C16 A / 30 mA & PE terminal 6mm	for cable gland M32

FITTING RST® CONNECTION CABLES



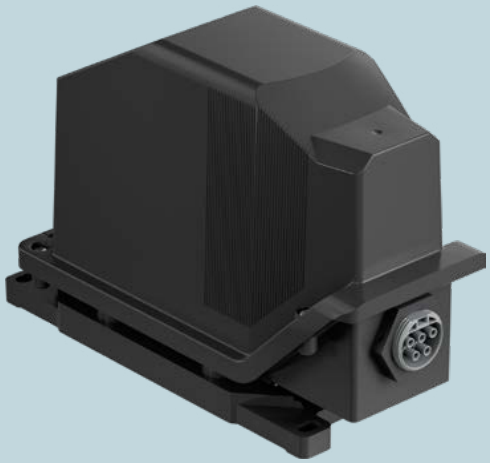
Code	Type
SV-99.456.0124.0	RST25 0.5m
SV-99.453.0124.0	RST25 1.0m
SV-99.454.0124.0	RST25 1.5m
SV-99.473.0124.0	RST20 0.5m
SV-99.474.0124.0	RST20 1.0m
SV-99.475.0124.0	RST20 1.5m

ACCESSORIES

	Code	Type
	SV-Z5.565.9853.1	Cover cap RST25
	SV-Z5.507.1753.1	Cable gland M32, clamping range 10 - 21 mm
	SV-05.505.0353.1	Locknut M32

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PODIS® DOUBLE OUTPUT – CON 5G16



BENEFITS

- One outgoing module can be saved
- Time saving
- Cost savings
- Possibility to integrate 3 x DIN rail mounted 18mm modules

Features

- Second output on the connection module
- Outputs completely pre-wired and pluggable with RST® (6mm²) or with cable gland
- Flexibility through models with integrated top-hat rail or single input
- Protection rating IP65

ODELS PODIS® CON 5G16 CONNECTION MODULE WITH DOUBLE OUTPUT

Code	Description
SV-75.453.0353.1	Double output pluggable RST25, pre-wired
SV-75.456.0353.1	Double outlet with cutout for M32
SV-75.456.0753.1	Single input / output with cutout for M32
SV-75.456.0553.1	Integrated top-hat rail with cutout for M32



FITTING RST® CONNECTION CABLES

Code	Type
SV-99.456.0124.0	RST25 0.5m
SV-99.453.0124.0	RST25 1.0m
SV-99.454.0124.0	RST25 1.5m

ACCESSORIES

	Code	Type
	SV-Z5.565.9853.1	Cover cap RST25
	SV-Z5.507.1753.1	Cable gland M32, clamping range 10 - 21mm
	SV-05.506.7453.1	Screw plug M32
	SV-05.505.0353.1	Locknut M32
	SV-06.600.7227.6	Double wire end ferrule 2 x 6mm²

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