# podis® CON
## Power bus components

podis® CON
connector



podis® CON
pluggable feeder

**podis®** LED
LED luminaires

**podis®** CON
Schuko power receptacle

**podis®** CON
Heavy duty power receptacle

**podis®** CON is is a pluggable, modular power bus system for remote power supply. Because of the simple, non-interrupted maintenance and service possibilities, **podis®** CON guarantees the highest system availability.
With it, many functions such as power distribution, illumination, or active components can be directly mounted to the power bus without requiring additional fastenings. With the **podis®** CON plug, as many additional devices as needed can be connected and flexibly positioned.

# Flat cables

## Flat cable

Flat cable 7 x 2.5 mm² PVC, fine-stranded, color-coded wires; external dimensions approx. 35 x 6 mm; weight approx. 402 g / m, 450/750 V acc. to VDE; silicone-free, oil and acid-proof; sheath light gray

| Description | Type | Order No |
|---|---|---|
| **Flat cable** | **PVC 7 G 2.5 gray** | 00.705.0503.3 |

| **Technical data** | |
|---|---|
| Nominal voltage U (V) | 750 |
| Nominal cable cross-section (mm²) | 2.5 |
| Sheath color | gray |
| Sheath material | PVC |
| Number of wires | 7 |
| Wire coding | Color |
| Wire insulation | PVC |
| Cable width, approx. (mm) | 35 |
| Cable height, approx. (mm) | 6 |
| Bending radius, static (mm) | 100 |
| Flame-resistant | according to EN 50265-2-1 |
| Oil-resistant according to EN 60811-2-1 | yes |
| Halogen-free according to EN 50267-2-2 | no |
| Approvals | VDE |

## Flat cable

Flat cable 7 x 4 mm² EVA, fine-stranded, number-coded wires; external dimensions approx. 35 x 6 mm; weight approx. 440 g / m; 450/750V acc. to VDE; halogen and silicone-free, oil and acid-proof; low calorific potential; sheath black

| Description | Type | Order No |
|---|---|---|
| **Flat cable** | **EVA 7 G 4 black** | 00.709.0504.1 |

| **Technical data** | |
|---|---|
| Nominal voltage U (V) | 750 |
| Nominal cable cross-section (mm²) | 4 |
| Sheath color | black |
| Sheath material | Rubber (EVA) |
| Number of wires | 7 |
| Wire coding | Figures |
| Wire insulation | EVA |
| Cable width, approx. (mm) | 35 |
| Cable height, approx. (mm) | 6 |
| Bending radius, static (mm) | 18 |
| Flame-resistant | according to EN 50265-2-1 |
| Oil-resistant according to EN 60811-2-1 | yes |
| Halogen-free according to EN 50267-2-2 | yes |
| Approvals | VDE |

## Flat cable

Flat cable 7 x 4 mm² XLPE, fine-stranded, number-coded wires ; external dimensions approx. 35 x 6 mm, 600 V acc. to UL, UL 1277, halogen-free, low smoke emission, sheath black

| Description | Type | Order No |
|---|---|---|
| **Flat cable** | **XLPE 7 G 4 black** | 00.729.0504.1 |

| **Technical data** | |
|---|---|
| Nominal voltage U (V) | 600 |
| Nominal cable cross-section (mm²) | 4 |
| Sheath color | black |
| Sheath material | XLPE |
| Number of wires | 7 |
| Wire coding | Figures |
| Wire insulation | XLPE |
| Cable width, approx. (mm) | 35 |
| Cable height, approx. (mm) | 6 |
| Bending radius, static (mm) | 100 |
| Oil-resistant according to EN 60811-2-1 | yes |
| Halogen-free according to EN 50267-2-2 | yes |
| Approvals | UL |

## Cable end piece

Cable end piece for ***podis*** flat cable 7 x 2.5 mm² and 7 x 4 mm²; degree of protection IP65; black / transparent

| Description | Order No |
|---|---|
| **Cable end piece** | Z5.562.7553.1 |

## Feed-through flat cable

Housing feed-through for ***podis*** flat cable 7 x 2.5 mm² and 7 x 4 mm²; degree of protection IP65; black

| Description | Order No |
|---|---|
| **Feed-through flat cable** | Z5.563.6553.1 |



For technical data, see Page 60; for accessories, see Page 61 ff.

# Connection modules

## Connection module 7 pole, fest

Connection module FCS 4 7 SI FK; 7-pole, 20 A; 277/480 V 4kV/3 (VDE); degree of protection IP65; penetration contacts; 1 x 4/6 mm², fine-stranded/ single-wired via spring-loaded terminals; 4 break points (2xM20, 2xM25); black

| Description | Type | Order No |
|---|---|---|
| **Connection module** | **FCS 4 7 SI FK** | 75.018.0051.2 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 20 |
| Number of poles | 7 |
| Connection type 1 | Penetration connection |
| Connection type 2 | Cage clamp connection |
| min. rated cross-section, fine-stranded (mm²) | 1.5 |
| max. rated cross-section, fine-stranded (mm²) | 4 |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 160 |
| Width (mm) | 60 |
| Height (mm) | 60 |
| Approvals | - |

## Connection module 2 pole

Connection module FCS 2.5 2 SI SA; 2-pole, 16 A, 230 V / 2.5 kV/3 (VDE); contacted conductors 5, 6 (EVA, XLPE 7x4mm²); red, white (PVC 7x2,5mm²); penetration contacts; connection of 2.5/4 mm² fine-stranded/single-wired via screw terminals; three break points M20; black

| Description | Type | Order No |
|---|---|---|
| **Connection module** | **FCS 2.5 2 SI SA SW** | 75.016.2053.1 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 50 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 16 |
| Number of poles | 2 |
| Connection type 1 | Penetration connection |
| Connection type 2 | Screw connection |
| min. rated cross-section, fine-stranded (mm²) | 1.5 |
| max. rated cross-section, fine-stranded (mm²) | 2.5 |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 120 |
| Width (mm) | 60 |
| Height (mm) | 60 |
| Approvals | - |

## Distribution module 7 pole

Distribution module FCS 4 7 SA SA; 7-pole, 32 A; 7 x 32 A (VDE) or 7 x 30 A (UL/CSA); 500 V 6kV/3 (VDE) or 600 V (UL/CSA) with two-tier rail terminal blocks; 5 break points, 3 x ***podis*** flat cable, 2 x round cable M20/M25; black

| Description | Type | Order No |
|---|---|---|
| **Distribution module** | **FCS 4 7 SA SA SW** | 75.010.0053.1 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 32 |
| Number of poles | 7 |
| Connection type 1 | Screw connection |
| Connection type 2 | Screw connection |
| min. rated cross-section, fine-stranded (mm²) | 1.5 |
| max. rated cross-section, fine-stranded (mm²) | 4 |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 175 |
| Width (mm) | 83 |
| Height (mm) | 78 |
| Approvals | cULus |

# Accessories

| Description | Type | Order No |
|---|---|---|
| **Cable screw connection** | **M20x1.5 black** | Z5.507.1353.1 |
| **Cable screw connection** | **M20x1.5 with AS-i insert black** | Z5.505.0653.1 |
| **Lock nut** | **M20x1.5 black** | 05.505.0153.1 |
| **Cable screw connection** | **M25x1.5, (9-16 mm) black** | Z5.507.1453.1 |
| **Cable screw connection** | **M25x1.5, (13-18 mm) black** | Z5.507.1553.1 |
| **Lock nut** | **M25x1.5 black** | 05.505.0253.1 |

# Plug-in outgoing feeders

## Flat cable outgoing feeder – plug-in, 7 pole

Flat cable outgoing feeder, plug-in FCS 4 7 SI BU; 7-pole, 20 A; 277/480 V 4kV/3 (VDE); 600 V (UL, CSA); socket with plastic locking bracket; degree of protection IP65 plugged or with protective cap 07.409.7256.0; black

| Description | Type | Order No |
|---|---|---|
| **Flat cable outgoing feeder** | **FCS 4 7 SI BU SW** | 75.015.5153.1 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 20 |
| Number of poles | 7 |
| Connection type 1 | Penetration connection |
| Connection type 2 | Plug connection |
| min. rated cross-section, fine-stranded (mm²) | - |
| max. rated cross-section, fine-stranded (mm²) | - |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 120 |
| Width (mm) | 60 |
| Height (mm) | 55 |
| Approvals | K |

## Plug complete 7 pole

***podis*** con plug FCS 4.0 7 ST SA; 7-pole, pins, 20 A, 277/480 V 4kV/3 (VDE); 600 V (UL, CSA); with M25 threaded joint for round cables 9-16 mm; screw connection 4.0 mm²; degree of protection IP65; black

Accessories
see page 61 and following.

| Description | Type | Order No |
|---|---|---|
| **Plug complete** | **FCS 4 7 ST SA SO0** | 75.015.0151.0 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 20 |
| Number of poles | 7 |
| Connection type 1 | Plug connection |
| Connection type 2 | Screw connection |
| min. rated cross-section, fine-stranded (mm²) | 1.5 |
| max. rated cross-section, fine-stranded (mm²) | 4 |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 94 |
| Width (mm) | 57 |
| Height (mm) | 79 |
| Approvals | cULus |

## Plug complete 7 pole

***podis*** con plug FCS 4.0 7 ST SA; 7-pole, pins, 20 A, 277/480 V 4kV/3(VDE); 600 V (UL, CSA), with threaded connector M25 for threaded joint; screw connection

| Description | Type | Order No |
|---|---|---|
| **Plug complete** | **FCS 4 7 ST SA SO2** | 75.015.0151.2 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 20 |
| Number of poles | 7 |
| Connection type 1 | Plug connection |
| Connection type 2 | Screw connection |
| min. rated cross-section, fine-stranded (mm²) | 1.5 |
| max. rated cross-section, fine-stranded (mm²) | 4 |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 94 |
| Width (mm) | 57 |
| Height (mm) | 79 |
| Approvals | cULus |

## Mounting case, 7 pole

***podis*** con mounting plug FCS 4.0 7 ST SA SU; 7-pole, pins, 20 A, 277/480 V 4kV/3 (VDE); 600 V (UL, CSA), for podis outgoing feeder module 75.015.5153.1 screw connection 4.0 mm²; degree of protection IP65 in plugged state; black

| Description | Type | Order No |
|---|---|---|
| **Mounting case** | **FCS 4 7 ST SA SU** | 75.015.1153.1 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 20 |
| Number of poles | 7 |
| Connection type 1 | Plug connection |
| Connection type 2 | Screw connection |
| min. rated cross-section, fine-stranded (mm²) | 1.5 |
| max. rated cross-section, fine-stranded (mm²) | 4 |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 113 |
| Width (mm) | 57 |
| Height (mm) | 39 |
| Approvals | cULus |

# Service sockets on the power bus

## podis Schuko 16A

podis con plug with light socket (blue); German standard; straight mounting; Schuko or CEE 7/4, 230 V, 16 A, 3-pole, IP54; Connected wire: L1 - 1; N - 4; PE - PE

| Description | Type | Order No |
|---|---|---|
| **Socket** | **FCS-CEE7/4 230V16A3P** | 83.315.0001.1 |

| Technical data | |
|---|---|
| Nominal voltage (V) | 230 |
| Nominal current (A) | 16 |
| Type of voltage for the supply voltage | AC |
| Supply frequency | 50 |
| Number of poles | 3 |
| Connection type 1 | Plug connection |
| Connection type 2 | CEE 7/4 16A 3P |
| Color | blau |
| Degree of protection (IP) | IP54 |
| Length (mm) | 115 |
| Width (mm) | 104 |
| Height (mm) | 115 |

## podis CEE 3-pole, 16 A

podis con plug with CEE 6H socket (blue); German standard; straight mounting; CEE 6H, 230 V, 16 A, 3-pole, IP44; connected wire: L1 - 1; N - 4; PE - PE

| Description | Type | Order No |
|---|---|---|
| **Socket** | **FCS-CEE7/4 230V16A3P** | 83.315.0001.2 |

| Technical data | |
|---|---|
| Nominal voltage (V) | 230 |
| Nominal current (A) | 16 |
| Type of voltage for the supply voltage | AC |
| Supply frequency | 50 |
| Number of poles | 3 |
| Connection type 1 | Plug connection |
| Connection type 2 | CEE 6H 16A 3P |
| Color | blau |
| Degree of protection (IP) | IP44 |
| Length (mm) | 115 |
| Width (mm) | 104 |
| Height (mm) | 160 |

## podis CEE 5-pole, 16 A

podis con plug with CEE socket; straight mounting; 230/400 V AC; 240/415 V AC; 16 A - 6h, 3P+N+PE; 50/60 Hz; IP44; connected wire: L1 - 1; L2 - 2; L3 - 3; N - 4; PE - PE

| Description | Type | Order No |
|---|---|---|
| **Socket** | **FCS-CEE6H 400V16A5P** | 83.315.0002.1 |

| Technical data | |
|---|---|
| Nominal voltage (V) | 400 |
| Nominal current (A) | 16 |
| Type of voltage for the supply voltage | AC |
| Supply frequency | 50 |
| Number of poles | 5 |
| Connection type 1 | Plug connection |
| Connection type 2 | CEE 6H 16A 5P |
| Color | rot |
| Degree of protection (IP) | IP44 |
| Length (mm) | 115 |
| Width (mm) | 104 |
| Height (mm) | 160 |

## podis UL 4h 3-pole, 20 A

podis con plug with 120 V AC socket (yellow); UL standard; straight mounting; 110-130 V ; 20 AC 4h, 2-pole + PE; IP44; connected wire: load - 1 & 2; neutral - 3 & 4; PE - PE

| Description | Type | Order No |
|---|---|---|
| **Socket** | **FCS-UL 4H 120V20A3P** | 83.315.0003.1 |

| Technical data | |
|---|---|
| Nominal voltage (V) | 120 V |
| Nominal current (A) | 20 A |
| Type of voltage for the supply voltage | AC |
| Supply frequency | 60 |
| Number of poles | 3 |
| Connection type 1 | Plug connection |
| Connection type 2 | UL 4H 20A 3P |
| Color | gelb |
| Degree of protection (IP) | IP44 |
| Length (mm) | 115 |
| Width (mm) | 104 |
| Height (mm) | 165 |

# Pre-assembled connection and interconnecting cables

## Connection cable plug – free end

***podis*** con connection cable FCS 2.5 7 STSA-10; plug assembled with round cable 7 x 2.5 mm², open cable end; stripping length 130 mm; insulation removal length 7 mm, ultrasonically compressed; cable length 1000 mm; black

| Description | Type | Order No |
|---|---|---|
| **Connection cable** | **FCS 2.5 7 STSA - 10** | 83.301.1020.1 |
| **Technical data** | | |
| Rated voltage (V) | | 400 |
| Rated current (A) | | 20 |
| Number of poles | | 7 |
| Cable cross-section (mm²) | | 2.5 |
| Design side 1 | | Plug |
| Design side 2 | | open end |
| Cable end treatment | | ultrasonically compressed wire ends |
| Cable type | | Ölflex Classic 110 |
| Cable diameter (mm) | | 11.1 |
| Stripping length (mm) | | 130 |
| Wire strip length (mm) | | 7 |
| Cable length (m) | | 1.0 |
| Approvals | | - |

| Versions | | Type | Order No |
|---|---|---|---|
| Cable length (m) | 2.0 | FCS 2.5 7 STSA - 20 | 83.301.2020.1 |
| | 3.0 | FCS 2.5 7 STSA - 30 | 83.301.3020.1 |
| | 4.0 | FCS 2.5 7 STSA - 40 | 83.301.4020.1 |
| | 5.0 | FCS 2.5 7 STSA - 50 | 83.301.5020.1 |
| | 6.0 | FCS 2.5 7 STSA - 60 | 83.301.6020.1 |
| | 7.0 | FCS 2.5 7 STSA - 70 | 83.301.7020.1 |
| | 8.0 | FCS 2.5 7 STSA - 80 | 83.301.8020.1 |
| | 9.0 | FCS 2.5 7 STSA - 90 | 83.301.9020.1 |

## Connection cable UL-execution plug – free end

***podis*** connection cable FCS AWG14 7 STSA-10; plug assembled with round cable "Ölflex Control TM 7G AWG 14"; open cable end; stripping length 130 mm; insluation removal length 7 mm, ultrasonically compressed; cable length 1000 mm

More assemblies on request.

| Description | Type | Order No |
|---|---|---|
| **Connection cable** | **FCS AWG14 7 STSA - 10** | 83.301.1040.1 |
| **Technical data** | | |
| Nominal voltage (V) | | 600 |
| Nominal current (A) | | 16 |
| Cable cross-section (AWG) | | 14 |
| Number of poles | | 7 |
| Design side 1 | | Plug |
| Design side 2 | | open end |
| Cable end treatment | | ultrasonically compressed wire ends |
| Cable type | | Ölflex Control TM |
| Cable diameter (mm) | | 11.6 |
| Stripping length (mm) | | 130 |
| Wire strip length (mm) | | 7 |
| Cable length (m) | | 1.0 |
| Approvals | | - |

| Versions | | Type | Order No |
|---|---|---|---|
| Cable length (m) | 2.0 | FCS AWG14 7 STSA - 20 | 83.301.2040.1 |
| | 3.0 | FCS AWG14 7 STSA - 30 | 83.301.3040.1 |
| | 4.0 | FCS AWG14 7 STSA - 40 | 83.301.4040.1 |
| | 5.0 | FCS AWG14 7 STSA - 50 | 83.301.5040.1 |
| | 6.0 | FCS AWG14 7 STSA - 60 | 83.301.6040.1 |
| | 7.0 | FCS AWG14 7 STSA - 70 | 83.301.7040.1 |
| | 8.0 | FCS AWG14 7 STSA - 80 | 83.301.8040.1 |
| | 9.0 | FCS AWG14 7 STSA - 90 | 83.301.9040.1 |

## Interconnecting cable Plug - Connection module

***podis*** con interconnecting cable FCS 2.5 7 STSA SIFK 10; plug assembled with round cable 7 x 2.5 mm², connection

| Description | Type | Order No |
|---|---|---|
| **Interconnecting cable** | **FCS 2.5 7 STSA - SIFK10** | 83.302.1025.1 |
| **Technical data** | | |
| Rated voltage (V) | | 400 |
| Rated current (A) | | 20 |
| Number of poles | | 7 |
| Cable cross-section (mm²) | | 2.5 |
| Design side 1 | | Plug |
| Design side 2 | | Connection module |
| Cable end treatment | | - |
| Cable type | | Ölflex Classic 110 |
| Cable diameter (mm) | | 11.1 |
| Stripping length (mm) | | - |
| Wire strip length (mm) | | - |
| Cable length (m) | | 1.0 |
| Approvals | | - |

| Versions | | Type | Order No |
|---|---|---|---|
| Cable length (m) | 2.0 | FCS 2,5 7 STSA SIFK - 20 | 83.302.2025.1 |
| | 3.0 | FCS 2,5 7 STSA SIFK - 30 | 83.302.3025.1 |
| | 4.0 | FCS 2,5 7 STSA SIFK - 40 | 83.302.4025.1 |
| | 5.0 | FCS 2,5 7 STSA SIFK - 50 | 83.302.5025.1 |
| | 6.0 | FCS 2,5 7 STSA SIFK - 60 | 83.302.6025.1 |
| | 7.0 | FCS 2,5 7 STSA SIFK - 70 | 83.302.7025.1 |
| | 8.0 | FCS 2,5 7 STSA SIFK - 80 | 83.302.8025.1 |
| | 9.0 | FCS 2,5 7 STSA SIFK - 90 | 83.302.9025.1 |

# Pre-assembled connection and interconnecting cables

## Interconnecting cable
## Connection module - Connection module

***podis*** con interconnecting cable FCS 4 7 SIFK SIFK 10; connection module assembled with round cable 7 x 4 mm², connection module; cable length 1000 mm;

| Description | Type | Order No |
|---|---|---|
| **Interconnecting cable** | **FCS 4 7 SIFK SIFK 10** | 83.303.1039.1 |
| **Technical data** | | |
| Rated voltage (V) | | 500 |
| Rated current (A) | | 20 |
| Number of poles | | 7 |
| Cable cross-section (mm²) | | 4 |
| Design side 1 | | Connection module |
| Design side 2 | | Connection module |
| Cable end treatment | | - |
| Cable type | | Ölflex Classic 110 |
| Cable diameter (mm) | | 13.4 |
| Stripping length (mm) | | - |
| Wire strip length (mm) | | - |
| Cable length (m) | | 1.0 |
| Approvals | | - |

| Versions | | Type | Order No |
|---|---|---|---|
| Cable length (m) | 2.0 | FCS 2,5 7 SIFK SIFK - 20 | 83.303.2039.1 |
| | 3.0 | FCS 2,5 7 SIFK SIFK - 30 | 83.303.3039.1 |
| | 4.0 | FCS 2,5 7 SIFK SIFK - 40 | 83.303.4039.1 |
| | 5.0 | FCS 2,5 7 SIFK SIFK - 50 | 83.303.5039.1 |
| | 6.0 | FCS 2,5 7 SIFK SIFK - 60 | 83.303.6039.1 |
| | 7.0 | FCS 2,5 7 SIFK SIFK - 70 | 83.303.7039.1 |
| | 8.0 | FCS 2,5 7 SIFK SIFK - 80 | 83.303.8039.1 |
| | 9.0 | FCS 2,5 7 SIFK SIFK - 90 | 83.303.9039.1 |

## Connection cable
## Connection module - open end

***podis*** con connection cable FCS 4 7 SIFK - 10; ***podis*** connection module assembled with round cable 7 x 4 mm², open cable end; stripping length 130 mm; insulation removal length 7 mm, ultrasonically compressed; cable

| Description | Type | Order No |
|---|---|---|
| **Connection cable** | **FCS 4 7 SIFK - 10** | 83.304.1030.1 |
| **Technical data** | | |
| Rated voltage (V) | | 500 |
| Rated current (A) | | 20 |
| Number of poles | | 7 |
| Cable cross-section (mm²) | | 4 |
| Design side 1 | | Connection module |
| Design side 2 | | open end |
| Cable end treatment | | ultrasonically compressed wire ends |
| Cable type | | Ölflex Classic 110 |
| Cable diameter (mm) | | 13.4 |
| Stripping length (mm) | | 130 |
| Wire strip length (mm) | | 7 |
| Cable length (m) | | 1.0 |
| Approvals | | - |

| Versions | | Type | Order No |
|---|---|---|---|
| Cable length (m) | 2.0 | FCS 4 7 SIFK - 20 | 83.304.2030.1 |
| | 3.0 | FCS 4 7 SIFK - 30 | 83.304.3030.1 |
| | 4.0 | FCS 4 7 SIFK - 40 | 83.304.4030.1 |
| | 5.0 | FCS 4 7 SIFK - 50 | 83.304.5030.1 |
| | 6.0 | FCS 4 7 SIFK - 60 | 83.304.6030.1 |
| | 7.0 | FCS 4 7 SIFK - 70 | 83.304.7030.1 |
| | 8.0 | FCS 4 7 SIFK - 80 | 83.304.8030.1 |
| | 9.0 | FCS 4 7 SIFK - 90 | 83.304.9030.1 |

## Connection cable
## connection module with
## repair switch – free end

***podis*** con connection module FCS 4 7 SIFK REP 10; with repair switch assembled with round cable Oilflex Classic 110; 7 x 4 mm², open cable end; stripping length 130 mm; insulation removal length 7 mm, ultrasonically compressed; cable length 1000 mm

| Description | Type | Order No |
|---|---|---|
| **Connection cable** | **FCS 4 7 SIFK REP 10** | 83.305.1030.1 |
| **Technical data** | | |
| Rated voltage (V) | | 500 |
| Rated current (A) | | 20 |
| Number of poles | | 7 |
| Cable cross-section (mm²) | | 4 |
| Design side 1 | | Connection module |
| Design side 2 | | open end |
| Cable end treatment | | ultrasonically compressed wire ends |
| Cable type | | Ölflex Classic 110 |
| Cable diameter (mm) | | 13.4 |
| Stripping length (mm) | | 130 |
| Wire strip length (mm) | | 7 |
| Cable length (m) | | 1.0 |
| Approvals | | - |

| Versions | | Type | Order No |
|---|---|---|---|
| Cable length (m) | 2.0 | FCS 4 7 SIFK REP - 20 | 83.305.2030.1 |
| | 3.0 | FCS 4 7 SIFK REP - 30 | 83.305.3030.1 |
| | 4.0 | FCS 4 7 SIFK REP - 40 | 83.305.4030.1 |
| | 5.0 | FCS 4 7 SIFK REP - 50 | 83.305.5030.1 |
| | 6.0 | FCS 4 7 SIFK REP - 60 | 83.305.6030.1 |
| | 7.0 | FCS 4 7 SIFK REP - 70 | 83.305.7030.1 |
| | 8.0 | FCS 4 7 SIFK REP - 80 | 83.305.8030.1 |
| | 9.0 | FCS 4 7 SIFK REP - 90 | 83.305.9030.1 |

More assemblies on request, Accessories see page 61 and following.

# Pre-assembled connection and interconnecting cables motor starter

## Interconnecting cable podisCON for Power / AS-i

Interconnecting cable FCS1.5 7SIFK_RST/M12-10 for connection of **gesis** MCU motor starter to the **podis** power bus, assembled with "Ölflex Classic" 110, 5G1.5 mm² for power; PVC 3x0.34 mm² for AS-i; **podis** CON connection module - RST 20i5 (power) and M12 (AS-i); cable length 1000 mm

| Description | Type | Order No |
|---|---|---|
| **podisCON Interconn. cable** | **FCS1.5 7SIFK_RST/M12-10** | 83.306.1001.1 |

| Technical data | | |
|---|---|---|
| Rated voltage (V) | | 400 |
| Rated current (A) | | 16 |
| Number of poles | | 7 |
| Cable cross-section (mm²) | | 1.5 |
| Design side 1 | | Plug |
| Design side 2 | | Socket |
| Cable end treatment | | - |
| Cable type | | Ölflex Classic 110 5G1.5 + PVC 3x0.34 |
| Cable diameter | (mm) | 8.1 & 5.0 |
| Stripping length | (mm) | - |
| Wire strip length | (mm) | - |
| Cable length | (m) | 1.0 |
| Approvals | | - |

| Versions | | Type | Order No |
|---|---|---|---|
| Cable length (m) | 1.5 | FCS1.5 7SIFK_RST/M12-15 | 83.306.1501.1 |

## Interconnecting cable podisCON for Power

Interconnecting cable FCS1.5 5SIFK_RST 20i5 -05 for connection of **gesis** MCU motor starter to the **podis** power bus; assembled with "Ölflex Classic 110", 5G1.5 mm2 for power; **podis** CON connection module - RST 20i5; cable length 500 mm

| Description | Type | Order No |
|---|---|---|
| **podisCON Interconn. cable** | **FCS1.5 5SIFK_RST -05** | 83.307.0501.1 |

| Technical data | | |
|---|---|---|
| Rated voltage (V) | | 400 |
| Rated current (A) | | 16 |
| Number of poles | | 5 |
| Cable cross-section (mm²) | | 1.5 |
| Design side 1 | | Plug |
| Design side 2 | | Socket |
| Cable end treatment | | - |
| Cable type | | Ölflex Classic 110 5G1.5 |
| Cable diameter | (mm) | 8.1 |
| Stripping length | (mm) | - |
| Wire strip length | (mm) | - |
| Cable length | (m) | 0.5 |
| Approvals | | - |

| Versions | | Type | Order No |
|---|---|---|---|
| Cable length (m) | 1.0 | FCS1.5 5SIFK_RST -10 | 83.307.1001.1 |
| | 1.5 | FCS1.5 5SIFK_RST -15 | 83.307.1501.1 |
| | 3.0 | FCS1.5 5SIFK_RST -30 | 83.307.3001.1 |
| | 5.0 | FCS1.5 5SIFK_RST -50 | 83.307.5001.1 |

## Interconnecting cable podisCON for Power / AS-i

Connection cable, FCS 1,5 7SIFK_RST/M12-10 for connecting the motorstarter **gesis** MCU to the **podis** power bus; assembled with Ölflex cable 5G1,5mm² and PVC 3x0,34 mm² for AS-i 24VDC on FCS plug complete and M12 female, length 500 mm

| Description | Type | Order No |
|---|---|---|
| **podisCON Interconn. cable** | **FCS STSA 0.5 M** | 83.308.0501.1 |

| Technical data | | |
|---|---|---|
| Rated voltage (V) | | 400 |
| Rated current (A) | | 16 |
| Number of poles | | 7 |
| Cable cross-section (mm²) | | 1.5 |
| Design side 1 | | Plug |
| Design side 2 | | Socket |
| Cable end treatment | | - |
| Cable type | | Ölflex Classic 110 5G1.5 + PVC 3x0.34 |
| Cable diameter | (mm) | 8.1 & 5.0 |
| Stripping length | (mm) | - |
| Wire strip length | (mm) | - |
| Cable length | (m) | 0.5 |
| Approvals | | - |

| Versions | | Type | Order No |
|---|---|---|---|
| Cable length (m) | 1.0 | FCS1.5 5SIFK_RST -10 | 83.308.1001.1 |
| | 1.5 | FCS1.5 5SIFK_RST -15 | 83.308.1501.1 |
| | 3.0 | FCS1.5 5SIFK_RST -30 | 83.308.3001.1 |

# Pre-assembled connection and interconnecting cables motor starter

## Motor connection cable *podis/gesis* MCU

Round pluggable connector, assembled with cable "Ölflex Classic 110" 5G1.5, plug on one side / free end on the other, cable cross-section: 1.5 mm², color: pluggable connector black, cable black, system: RST 20/4KS-S 15O 10SW, total length: 1 m

| Description | Type | Order No |
|---|---|---|
| **Assembled cable** | **RST20I4KS-S 15O 10SW** | 96.442.1084.1 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 400 |
| Rated current (A) | 20 |
| Number of poles | 4 |
| Cable cross-section (mm²) | 1.5 |
| Design side 1 | Plug |
| Design side 2 | open end |
| Cable end treatment | ultrasonically compressed wire ends |
| Cable type | Ölflex Classic 110 4G1.5 |
| Cable diameter (mm) | 7.2 |
| Stripping length (mm) | 35 |
| Wire strip length (mm) | 9 |
| Cable length (m) | 1.0 |
| Approvals | - |

| Versions | | Type | Order No |
|---|---|---|---|
| Cable length (m) | 2.0 | RST20I4KS-S 15O 20SW | 96.442.2084.1 |
| | 3.0 | RST20I4KS-S 15O 30SW | 96.442.3084.1 |
| | 4.0 | RST20I4KS-S 15O 40SW | 96.442.4084.1 |
| | 5.0 | RST20I4KS-S 15O 50SW | 96.442.5084.1 |
| | 6.0 | RST20I4KS-S 15O 60SW | 96.442.6084.1 |
| | 7.0 | RST20I4KS-S 15O 70SW | 96.442.7084.1 |
| | 8.0 | RST20I4KS-S 15O 80SW | 96.442.8084.1 |
| | 9.0 | RST20I4KS-S 15O 90SW | 96.442.9084.1 |

## AS-i-branch cable

AS-i branch cable M12 plug straight on socket straight; length 300 mm

| Description | Type | Order No |
|---|---|---|
| **AS-i-branch cable** | | 83.209.2203.0 |

## AS-i pick-off M12

AS-i pick-off M12; can be used as pick-off distributor or plug, re-usable penetration technique acc. to IEC 68 and DIN 41611

| Description | Type | Order No |
|---|---|---|
| **AS-i pick-off M12** | | 83.209.2201.0 |

# Installation components

## Flat cable

Flat cable 7 x 4 mm2 EVA, fine-stranded, number-coded wires; external dimensions approx. 35 x 6 mm; weight approx. 440 g / m; 450/750V acc. to VDE; halogen and silicone-free, oil and acid-proof; low calorific potential; sheath black

| Description | Type | Order No |
|---|---|---|
| **Flat cable** | **EVA 7 G 4 black** | 00.709.0504.1 |

| **Technical data** | |
|---|---|
| Nominal voltage U (V) | 750 |
| Nominal cable cross-section (mm²) | 4 |
| Sheath color | black |
| Sheath material | Rubber (EVA) |
| Number of wires | 7 |
| Wire coding | Figures |
| Wire insulation | EVA |
| Cable width, approx. (mm) | 35 |
| Cable height, approx. (mm) | 6 |
| Bending radius, static (mm) | 18 |
| Flame-resistant | according to EN 50265-2-1 |
| Oil-resistant according to EN 60811-2-1 | yes |
| Halogen-free according to EN 50267-2-2 | yes |
| Approvals | VDE |

## Flat cable

Flat cable 7 x 4 mm2 XLPE, fine-stranded, number-coded wires ; external dimensions approx. 35 x 6 mm, 600 V acc. to UL, UL 1277, halogen-free, low smoke emission, sheath black

| Description | Type | Order No |
|---|---|---|
| **Flat cable** | **XLPE 7 G 4 black** | 00.729.0504.1 |

| **Technical data** | |
|---|---|
| Nominal voltage U (V) | 600 |
| Nominal cable cross-section (mm²) | 4 |
| Sheath color | black |
| Sheath material | XLPE |
| Number of wires | 7 |
| Wire coding | Figures |
| Wire insulation | XLPE |
| Cable width, approx. (mm) | 35 |
| Cable height, approx. (mm) | 6 |
| Bending radius, static (mm) | 100 |
| Oil-resistant according to EN 60811-2-1 | yes |
| Halogen-free according to EN 50267-2-2 | yes |
| Approvals | UL |

## Cable end piece

Cable end piece for ***podis*** flat cable 7 x 2.5 mm² and 7 x 4 mm²; degree of protection IP65; black / transparent

| Description | Order No |
|---|---|
| **Cable end piece** | Z5.562.7553.1 |

## Feed-through flat cable

Housing feed-through for ***podis*** flat cable 7 x 2.5 mm² and 7 x 4 mm²; degree of protection IP65; black

| Description | Order No |
|---|---|
| **Feed-through flat cable** | Z5.563.6553.1 |

For technical data, see Page 60; for accessories, see Page 61 ff.

# Installation components

## Connection module 7 pole

Connection module FCS 4 7 SI FK; 7-pole, 20 A; 277/480 V 4kV/3 (VDE); degree of protection IP65; penetration contacts; 1 x 4/6 mm², fine-stranded/ single-wired via spring-loaded terminals; 4 break points (2xM20, 2xM25); black

| Description | Type | Order No |
|---|---|---|
| **Connection module** | **FCS 4 7 SI FK** | 75.018.0051.2 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated current (A) | 20 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current Auxiliary power (A) | 20 |
| Number of poles | 7 |
| Connection type 1 | Penetration connection |
| Connection type 2 | Cage clamp connection |
| Min. rated cross-section, fine-stranded (mm²] | 1.5 mm² |
| Max. rated cross-section, fine-stranded (mm²] | 4 mm² |
| Mounting method | Wall-mounted |
| Color | black |
| Degree of protection | IP65 |
| Min. ambient temperature | -30 °C |
| Max. ambient temperature | 55 °C |
| Storage temperature / transport min. | -40 °C |
| Length (mm) | 160 |
| Width (mm) | 60 |
| Height (mm) | 60 |

## Connection module 7-pole with quick installation plate

Connection module FCS 4 7 SI FK FM; with quick installation plate for mesh cable tray OBO-Bettermann; 7-pole, 20 A; 277/480 V 4 kV/3 (VDE); 600 V (UL, CSA); protection class IP65; insulation-penetrating contact; 1 x 4/6 qmm, single-core/finely stranded via tension spring terminals; 4 rated break points (2 x M20, 2 x M25); black

| Description | Type | Order No |
|---|---|---|
| **Connection module** | **FCS 4 7 SI FK FM** | 99.801.4866.1 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated current (A) | 20 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current Auxiliary power (A) | 20 |
| Number of poles | 7 |
| Connection type 1 | Penetration connection |
| Connection type 2 | Cage clamp connection |
| Min. rated cross-section, fine-stranded (mm²] | 1.5 mm² |
| Max. rated cross-section, fine-stranded (mm²] | 4 mm² |
| Mounting method | Fast mesh cable tray installation |
| Color | black |
| Degree of protection | IP65 |
| Min. ambient temperature | -30 °C |
| Max. ambient temperature | 55 °C |
| Storage temperature / transport min. | -40 °C |
| Length (mm) | 180 |
| Width (mm) | 60 |
| Height (mm) | 67 |

## Distribution module 7 pole

Distribution module FCS 4 7 SA SA; 7-pole, 32 A; 7 x 32 A (VDE) or 7 x 30 A (UL/CSA); 500 V 6kV/3 (VDE) or 600 V (UL/CSA) with two-tier rail terminal blocks; 5 break points, 3 x podis flat cable, 2 x round cable M20/M25; black

| Description | Type | Order No |
|---|---|---|
| **Distribution module** | **FCS 4 7 SA SA SW** | 75.010.0053.1 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 32 |
| Number of poles | 7 |
| Connection type 1 | Screw connection |
| Connection type 2 | Screw connection |
| Min. rated cross-section, fine-stranded (mm²) | 1,5 |
| Max. rated cross-section, fine-stranded (mm²) | 4 |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 175 |
| Width (mm) | 83 |
| Height (mm) | 78 |
| Approvals | cULus |

# Plug-in outgoing feeders

## Plug complete 7 pole

***podis*** con plug FCS 4,0 7 ST SA; 7-pole, pins, 20 A, 277/480 V 4kV/3 (VDE); 600 V (UL, CSA); with M25 threaded joint for round cables 9-16 mm; screw connection 4.0 mm²; degree of protection IP65; black

| Description | Type | Order No |
|---|---|---|
| **Plug complete** | **FCS 4 7 ST SA SO0** | 75.015.0151.0 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 20 |
| Number of poles | 7 |
| Connection type 1 | Plug connection |
| Connection type 2 | Screw connection |
| min. rated cross-section, fine-stranded (mm²) | 1.5 |
| max. rated cross-section, fine-stranded (mm²) | 4 |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 94 |
| Width (mm) | 57 |
| Height (mm) | 79 |
| Approvals | cULus |

## Plug complete 7 pole

***podis*** con plug FCS 4,0 7 ST SA; 7-pole, pins, 20 A, 277/480 V 4kV/3(VDE); 600 V (UL, CSA), with threaded connector M25 for threaded joint; screw connection 4.0 mm²; degree of protection IP65; black

Accessories see page 61 and following.

| Description | Type | Order No |
|---|---|---|
| **Plug complete** | **FCS 4 7 ST SA SO2** | 75.015.0151.2 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 20 |
| Number of poles | 7 |
| Connection type 1 | Plug connection |
| Connection type 2 | Screw connection |
| min. rated cross-section, fine-stranded (mm²) | 1.5 |
| max. rated cross-section, fine-stranded (mm²) | 4 |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 94 |
| Width (mm) | 57 |
| Height (mm) | 79 |
| Approvals | cULus |

## Mounting case 7 pole

***podis*** con mounting plug FCS 4,0 7 ST SA SU; 7-pole, pins, 20 A, 277/480 V 4kV/3 (VDE); 600 V (UL, CSA), for podis outgoing feeder module 75.015.5153.1 screw connection 4.0 mm²; degree of protection IP65 in plugged state; black

| Description | Type | Order No |
|---|---|---|
| **Mounting case** | **FCS 4 7 ST SA SU** | 75.015.1153.1 |

| **Technical data** | |
|---|---|
| Rated voltage (V) | 500 |
| Rated voltage Auxiliary power (V) | 50 |
| Rated current (A) | 20 |
| Number of poles | 7 |
| Connection type 1 | Plug connection |
| Connection type 2 | Screw connection |
| min. rated cross-section, fine-stranded (mm²) | 1.5 |
| max. rated cross-section, fine-stranded (mm²) | 4 |
| Color | black |
| Degree of protection | IP65 |
| Length (mm) | 113 |
| Width (mm) | 57 |
| Height (mm) | 39 |
| Approvals | cULus |

# Service sockets on the power bus

## podis Schuko 16 A

podis con plug with light socket (blue);
German standard; straight mounting;
Schuko or CEE 7/4, 230 V, 16 A, 3-pole, IP54;
Connected wire: L1 - 1; N - 4; PE - PE

| Description | Type | Order No |
|---|---|---|
| **Socket** | **FCS-CEE7/4 230V16A3P** | 83.315.0001.1 |

| Technical data | |
|---|---|
| Nominal voltage (V) | 230 |
| Nominal current (A) | 16 |
| Type of voltage for the supply voltage | AC |
| Supply frequency | 50 |
| Number of poles | 3 |
| Connection type 1 | Plug connection |
| Connection type 2 | CEE 7/4 16A 3P |
| Color | blue |
| Degree of protection (IP) | IP54 |
| Length (mm) | 115 |
| Width (mm) | 104 |
| Height (mm) | 115 |

## podis CEE 3 pole, 16 A

podis con plug with CEE 6H socket (blue);
German standard; straight mounting; CEE 6H,
230 V, 16 A, 3-pole, IP44; connected wire: L1 - 1;
N - 4; PE - PE

| Description | Type | Order No |
|---|---|---|
| **Socket** | **FCS-CEE7/4 230V16A3P** | 83.315.0001.2 |

| Technical data | |
|---|---|
| Nominal voltage (V) | 230 |
| Nominal current (A) | 16 |
| Type of voltage for the supply voltage | AC |
| Supply frequency | 50 |
| Number of poles | 3 |
| Connection type 1 | Plug connection |
| Connection type 2 | CEE 6H 16A 3P |
| Color | blue |
| Degree of protection (IP) | IP44 |
| Length (mm) | 115 |
| Width (mm) | 104 |
| Height (mm) | 160 |

## podis CEE 5 pole, 16 A

podis con plug with CEE socket; straight mounting;
230/400 V AC; 240/415 V AC; 16 A - 6h, 3P+N+PE;
50/60 Hz; IP44; connected wire: L1 - 1; L2 - 2; L3 - 3;
N - 4; PE - PE

| Description | Type | Order No |
|---|---|---|
| **Socket** | **FCS-CEE6H 400V16A5P** | 83.315.0002.1 |

| Technical data | |
|---|---|
| Nominal voltage (V) | 400 |
| Nominal current (A) | 16 |
| Type of voltage for the supply voltage | AC |
| Supply frequency | 50 |
| Number of poles | 5 |
| Connection type 1 | Plug connection |
| Connection type 2 | CEE 6H 16A 5P |
| Color | red |
| Degree of protection (IP) | IP44 |
| Length (mm) | 115 |
| Width (mm) | 104 |
| Height (mm) | 160 |

## podis UL 4h 3 pole, 20 A

podis con plug with 120 V AC socket (yellow);
UL standard; straight mounting; 110-130 V ; 20 AC 4h,
2-pole + PE; IP44; connected wire: load - 1 & 2;
neutral - 3 & 4; PE - PE

| Description | Type | Order No |
|---|---|---|
| **Socket** | **FCS-UL 4H 120V20A3P** | 83.315.0003.1 |

| Technical data | |
|---|---|
| Nominal voltage (V) | 120 V |
| Nominal current (A) | 20 A |
| Type of voltage for the supply voltage | AC |
| Supply frequency | 60 |
| Number of poles | 3 |
| Connection type 1 | Plug connection |
| Connection type 2 | UL 4H 20A 3P |
| Color | yellow |
| Degree of protection (IP) | IP44 |
| Length (mm) | 115 |
| Width (mm) | 104 |
| Height (mm) | 165 |