

podis[®] MOT Configurations



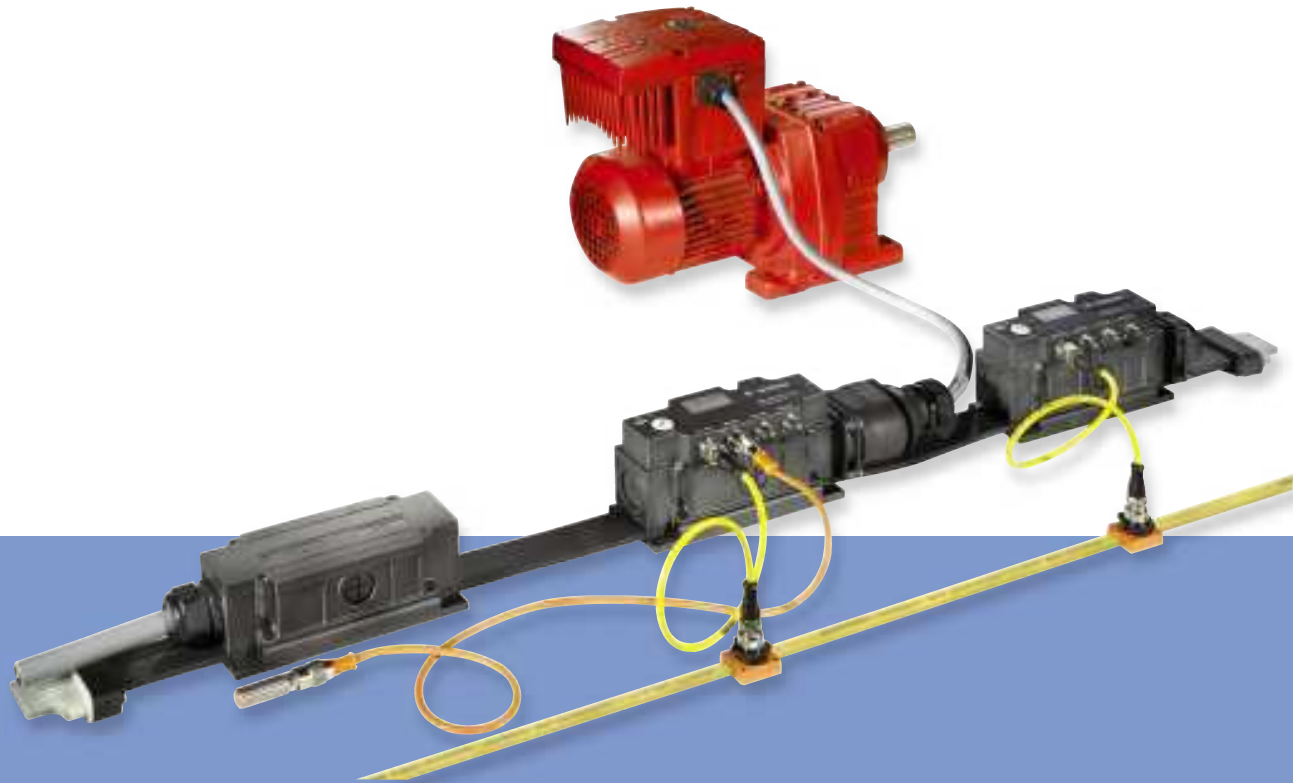
podis[®] MOT FA C ...
Pre-assembled;
plug-in on the drive



podis[®] MOT FA CP ...
Plug-in on the field distributor



podis[®] MOT FA CM
With maintenance switch;
plug-in on the drive



podis[®] MOT

Field distributors for the uncut flat cable power bus



Features

podis[®] MOT for controlling SEW MOVIMOT and MOVI-SWITCH drives

- integrated power distribution
- integrated field bus interface
- AS interface or PROFIBUS DP
- digital inputs on M12
- optional maintenance switch
- connection of drive via a pre-assembled connection cable
- plug-in on the drive or field distributor
- detailed diagnosis via LED displays







Advantages



- Quick and easy installation
- Compact design
- Accessible field distributors can be integrated into the cable duct
- On-site diagnosis via LED
- Easily expandable
- Display of status and error messages
- Optimum service and maintenance



Field distributors for AS interface (binary interface to the drive)

| | | | |
|--|-----------------------------|---|---------------|
| <p>podis^{MOT} FA CP3I/1I40 (binär)</p> <p>podis^{MOT} FA CP 3I/1I40; field distributor at the AS-i for distributed loads (e.g. MOVIMOT or MOVI-SWITCH from SEW) on the podis power bus with degree of protection IP 65, standard AS-i slave; power (400 VAC) + control (24 V, 0 V, 4 control outputs, 1 input) plug-in via revos^{MOT} 11 pole, 3 digital initiator inputs on M12, AS-i connection via M12</p>  | Description | Type | Order No |
| | podis ^{MOT} | FA CP3I/1I40 | 83.210.0005.2 |
| Technical data | | | |
| Rated voltage (V AC) | | 400 | |
| Rated current (A) | | 16 | |
| Rated operating voltage auxiliary power (V DC) | | 24 | |
| Rated operating current auxiliary power (A) | | 2 | |
| Number of inputs | | 4 | |
| Number of outputs | | 4 | |
| Output current per channel (A) | | 0.5 | |
| Output type | | Transistor | |
| AS-i specification | | V2.11 | |
| Power bus connection type | | Piercing connection | |
| Connection type Sensors | | Plug connection | |
| Connection type Motor output | | Plug connection | |
| pre-assembled motor connection cable | | see page 72 | |
| L x W x H (mm) | | 160 x 70.5 x 79.5 | |
| Approvals | |  | |

| | | | |
|---|-----------------------------|---|---------------|
| <p>podis^{MOT} FA C 3I/1I40 (binär)</p> <p>podis^{MOT} FA C 3I/1I40 10; field distributor at the AS-i for distributed loads (e.g. MOVIMOT or MOVI-SWITCH from SEW) on the podis power bus with degree of protection IP 65, standard AS-i slave; power (400 VAC) + control (24 V, 0 V, 4 control outputs, 1 control input) via round cable 11 x 1.5 mm²; (length 1000 mm) and industrial pluggable connector revos^{BASIC} to the load; 3 digital initiator inputs on M12, AS-i connection via M12</p>  | Description | Type | Order No |
| | podis ^{MOT} | FA C 3I/1I40 10 | 83.210.1001.2 |
| Technical data | | | |
| Rated voltage (V AC) | | 400 | |
| Rated current (A) | | 16 | |
| Rated operating voltage auxiliary power (V DC) | | 24 | |
| Rated operating current auxiliary power (A) | | 2 | |
| Number of inputs | | 4 | |
| Number of outputs | | 4 | |
| Output current per channel (A) | | 0.5 | |
| Output type | | Transistor | |
| AS-i specification | | V2.11 | |
| Power bus connection type | | Piercing connection | |
| Connection type Sensors | | Plug connection | |
| Connection type Motor output | | Plug connection | |
| Cable length Motor cable (m) | | 1.0 | |
| L x W x H (mm) | | 160 x 69.2 x 79.5 | |
| Approvals | |  | |
| Versions | | Type | Order No |
| Cable length (m) | 1.5 | FA C 3I/1I40 15 | 83.210.1501.2 |
| | 2.0 | FA C 3I/1I40 20 | 83.210.2001.2 |
| | 2.5 | FA C 3I/1I40 25 | 83.210.2501.2 |
| | 3.0 | FA C 3I/1I40 30 | 83.210.3001.2 |
| | X.X - on request | FA C 3I/1I40 XX | 83.210.XX01.2 |


| | | | |
|---|-----------------------------|---|---------------|
| <p>podis^{MOT} FA CM3I/1I40 (binär)</p> <p>podis^{MOT} FA CM 3I/1I40 10; field distributor with repair switch (L1, L2, L3) at the AS-i for distributed loads (e.g. MOVIMOT or MOVI-SWITCH from SEW) on the podis power bus with degree of protection IP 65, standard AS-i slave; power (400 VAC) + control (24 V, 0 V, 4 control outputs, 1 control input) via round cable 11 x 1.5 mm²; (length 1000 mm) and industrial pluggable connector revos^{BASIC} to the load;</p>  | Description | Type | Order No |
| | podis ^{MOT} | FA CM3I/1I40 10 | 83.210.1001.4 |
| Technical data | | | |
| Rated voltage (V AC) | | 400 | |
| Rated current (A) | | 16 | |
| Rated operating voltage auxiliary power (V DC) | | 24 | |
| Rated operating current auxiliary power (A) | | 2 | |
| Number of inputs | | 4 | |
| Number of outputs | | 4 | |
| Output current per channel (A) | | 0.5 | |
| Output type | | Transistor | |
| AS-i specification | | V2.11 | |
| Power bus connection type | | Piercing connection | |
| Connection type Sensors | | Plug connection | |
| Connection type Motor output | | Plug connection | |
| Cable length Motor cable (m) | | 1.0 | |
| L x W x H (mm) | | 254 x 88 x 123 | |
| Approvals | |  | |
| Versions | | Type | Order No |
| Cable length (m) | X.X - on request | FA CM 3I/1I40 XX | 83.210.XX01.4 |

Field distributors for AS interface (RS485 interface to the drive)

podis^{MOT}
FA CP 3I/RS485

podis^{MOT} FA CP 3I/RS485(SEW); field distributor at the AS-i for distributed loads (MOVIMOT from SEW) on the **podis** power bus with degree of protection IP 65, standard AS-i slave; power (400 VAC) + control (24 V, 0 V, serial interface RS485 – MOVILINK protocol); plug-in to the load via **revos^{MOT}** pluggable connector (11 pole), 3 digital initiator inputs on M12, AS-i connection via M12




| Description | Type | Order No |
|--|-----------------------------|---|
| podis^{MOT} | FA CP 3I/RS485 (SEW) | 83.214.0005.2 |
| Technical data | | |
| Rated voltage (V AC) | | 400 |
| Rated current (A) | | 16 |
| Rated operating voltage auxiliary power (V DC) | | 24 |
| Rated operating current auxiliary power (A) | | 1 |
| Number of inputs | | 3 |
| Number of outputs | | - |
| Number of HW interfaces serial RS485 | | 1 |
| AS-i specification | | V2.11 |
| Power bus connection type | | Piercing connection |
| Connection type Sensors | | Plug connection |
| Connection type Motor output | | Plug connection |
| Cable length Motor cable | | siehe Seite 73 |
| L x W x H (mm) | | 172 x 70.5 x 79.5 |
| Approvals | |  |

podis^{MOT}
FA C 3I/RS485

podis^{MOT} FA C 3I/RS485(SEW) 10; field distributor at the AS-i for distributed loads (MOVIMOT from SEW) on the **podis** power bus with degree of protection IP 65, standard AS-i slave; power (400 VAC) + control (24 V, 0 V, serial interface RS485 – MOVILINK protocol); plug-in to the load via hybrid cable (length 1000 mm) and industrial pluggable connector (AMA6); 3 digital initiator inputs on M12, AS-i connection via M12




| Description | Type | Order No | |
|--|-------------------------------|---|---------------|
| podis^{MOT} | FA C 3I/RS485 (SEW) 10 | 83.214.1006.2 | |
| Technical data | | | |
| Rated voltage (V AC) | | 400 | |
| Rated current (A) | | 16 | |
| Rated operating voltage auxiliary power (V DC) | | 24 | |
| Rated operating current auxiliary power (A) | | 1 | |
| Number of inputs | | 3 | |
| Number of outputs | | - | |
| Number of HW interfaces serial RS485 | | 1 | |
| AS-i specification | | V2.11 | |
| Power bus connection type | | Piercing connection | |
| Connection type Sensors | | Plug connection | |
| Connection type Motor output | | Plug connection | |
| Pre-assembled motor connection cable | | 1.0 | |
| L x W x H (mm) | | 172 x 70.5 x 79.5 | |
| Approvals | |  | |
| Versions | | | |
| Cable length (m) | 1.5 | FA C 3I/RS485 (SEW) 15 | 83.214.1506.2 |
| | 2.0 | FA C 3I/RS485 (SEW) 20 | 83.214.2006.2 |
| | 2.5 | FA C 3I/RS485 (SEW) 25 | 83.214.2506.2 |
| | 3.0 | FA C 3I/RS485 (SEW) 30 | 83.214.3006.2 |
| | X.X - on request | FA C 3I/RS485 (SEW) XX | 83.214.XX06.2 |

podis^{MOT}
FA CM 3I/RS485

podis^{MOT} FA CM 3I/RS485(SEW) 10; field distributor with repair switch at the AS-i for distributed loads (MOVIMOT from SEW) on the **podis** power bus with degree of protection IP 65, standard AS-i slave; power (400 VAC) + control (24 V, 0V, serial interface RS485 – MOVILINK protocol); plug-in to the load via hybrid cable (length 1000 mm) and industrial pluggable connector (AMA6); 3 digital initiator inputs on M12, AS-i connection via M12



| Description | Type | Order No | |
|--|--------------------------|---|---------------|
| podis^{MOT} | FA CM 3I/RS485 10 | 83.214.1006.4 | |
| Technical data | | | |
| Rated voltage (V AC) | | 400 | |
| Rated current (A) | | 16 | |
| Rated operating voltage auxiliary power (V DC) | | 24 | |
| Rated operating current auxiliary power (A) | | 1 | |
| Number of inputs | | 3 | |
| Number of outputs | | - | |
| Number of HW interfaces serial RS485 | | 1 | |
| AS-i specification | | V2.11 | |
| Power bus connection type | | Piercing connection | |
| Connection type Sensors | | Plug connection | |
| Connection type Motor output | | Plug connection | |
| Pre-assembled motor connection cable | | 1.0 | |
| L x W x H (mm) | | 254 x 88 x 123 | |
| Approvals | |  | |
| Versions | | | |
| Cable length (m) | X.X - on request | FA CM 3I/1140 XX | 83.210.XX01.4 |



Field distributors for PROFIBUS-DP (binary interface to the drive)

podis^{MOT} FP CP 2I2IO/1I4O (binary)

podis^{MOT} FP CP 2I2IO/1I4O; field distributor at the PROFIBUS-DP for distributed loads (e.g. MOVIMOT or MOVI-SWITCH from SEW) on the **podis** flat cable power bus with degree of protection IP 65, with integrated PROFIBUS-DP slave; power (400 VAC) + control (24 V, 0 V, 4 control outputs, 1 input); plug-in to the load via **revos**^{MOT} pluggable connector (11 pole), two digital initiator inputs; two selectable as input/output via M12, PROFIBUS-DP connection via M12




| Description | Type | Order No |
|--|-------------------------|---------------------|
| podis ^{MOT} | FP CP 2I2IO/1I4O | 83.253.0005.2 |
| Technical data | | |
| Rated voltage (V AC) | | 400 |
| Rated current (A) | | 16 |
| Rated operating voltage auxiliary power (V DC) | | 24 |
| Rated operating current auxiliary power (A) | | 1 |
| Number of inputs | | 3 |
| Number of outputs | | 4 |
| Digital inputs/outputs, configurable | | 2 |
| Number of HW interfaces serial RS485 | | 0 |
| PROFIBUS Report | | |
| Power bus connection type | | Piercing connection |
| Connection type Sensors | | Plug connection |
| Connection type Motor output | | Plug connection |
| Cable length Motor cable | | see page 73 |
| L x W x H (mm) | | 168.5 x 70.5 x 79.5 |
| Approvals | | - |




Field distributors for PROFIBUS-DP (RS485 interface to the drive)

podis^{MOT}
FP CP2I2IO/RS485


podis^{MOT} FP CP 2I2IO/RS485 (SEW); field distributor at the PROFIBUS-DP for MOVIMOT from SEW on the **podis** flat cable power bus with degree of protection IP65, with integrated PROFIBUS-DP slave; power (400 VAC) + control (24 V, 0 V, serial interface RS485 – MOVILINK protocol); plug-in to the load via revosmot pluggable connector (11 pole), two digital initiator inputs; two selectable as input/output via M12, PROFIBUS-DP connection via M12




| Description | Type | Order No |
|--|-------------------------|---|
| podis ^{MOT} | FP CP2I2IO/RS485 | 83.252.0005.2 |
| Technical data | | |
| Rated voltage (V AC) | | 400 |
| Rated current (A) | | 16 |
| Rated operating voltage auxiliary power (V DC) | | 24 |
| Rated operating current auxiliary power (A) | | 1 |
| Number of inputs | | 3 |
| Digital inputs/outputs, configurable | | 2 |
| Number of HW interfaces serial RS485 | | 1 |
| PROFIBUS Report | | |
| Power bus connection type | | yes |
| Connection type Sensors | | Piercing connection |
| Connection type Motor output | | Plug connection |
| Cable length Motor cable | | see page 73 |
| L x W x H (mm) | | 168,5 x 70,5 x 79,5 |
| Approvals | |  |

podis^{MOT}
FP C 2I2IO/RS485


podis^{MOT} FP C 2I2IO/RS485 (SEW) 10; field distributor at the PROFIBUS-DP for distributed loads on the **podis** flat cable power bus with degree of protection IP 65, with integrated PROFIBUS-DP slave; power (400 VAC) + control (24 V, 0 V, serial interface RS485 – MOVILINK protocol); via hybrid cable (length 1000 mm) and industrial pluggable connector (AMA6) to the load, two digital initiator inputs; two selectable as input/output via M12, PROFIBUS-DP connection via M12, UL/CSA




| Description | Type | Order No |
|--|--------------------------------|---|
| podis ^{MOT} | FP C 2I2IO/RS485(SEW)10 | 83.252.1006.2 |
| Technical data | | |
| Rated voltage (V AC) | | 400 |
| Rated current (A) | | 16 |
| Rated operating voltage auxiliary power (V DC) | | 24 |
| Rated operating current auxiliary power (A) | | 1 |
| Number of inputs | | 2 |
| Digital inputs/outputs, configurable | | 2 |
| Number of HW interfaces serial RS485 | | 1 |
| PROFIBUS Report | | |
| Power bus connection type | | yes |
| Connection type Sensors | | Piercing connection |
| Connection type Motor output | | Plug connection |
| Pre-assembled motor connection cable | | 1,0 |
| L x W x H (mm) | | 168,5 x 70,5 x 79,5 |
| Approvals | |  |
| Versions | | |
| Cable length (m) | Type | Order No |
| 1.5 | FP C 2I2IO/RS485(SEW)15 | 83.252.15006.2 |
| 2.0 | FP C 2I2IO/RS485(SEW)20 | 83.252.20006.2 |
| 2.5 | FP C 2I2IO/RS485(SEW)25 | 83.252.25006.2 |
| 3.0 | FP C 2I2IO/RS485(SEW)30 | 83.252.30006.2 |
| X.X - on request | FP C 2I2IO/RS485(SEW)XX | 83.252.XX06.2 |

podis^{MOT}
FP CM 2I2IO/RS485

podis^{MOT} FP CM 2I2IO/RS485 (SEW) 10; field distributor with repair switch at the PROFIBUS-DP for distributed loads on the **podis** flat cable power bus with degree of protection IP 65, with integrated PROFIBUS-DP slave; power (400 VAC) + control (24 V, 0 V, serial interface RS485 – MOVILINK protocol); via hybrid cable (length 1000 mm) and industrial pluggable connector (AMA6) to the load, two digital initiator inputs; two selectable as input/output via M12, PROFIBUS-DP connection via M12, UL/CSA



| Description | Type | Order No |
|--|---------------------------------|---|
| podis ^{MOT} | FP CM 2I2IO/RS485(SEW)10 | 83.252.1006.4 |
| Technical data | | |
| Rated voltage (V AC) | | 400 |
| Rated current (A) | | 16 |
| Rated operating voltage auxiliary power (V DC) | | 24 |
| Rated operating current auxiliary power (A) | | 1 |
| Number of inputs | | 2 |
| Digital inputs/outputs, configurable | | 2 |
| Number of HW interfaces serial RS485 | | 1 |
| PROFIBUS Report | | |
| Power bus connection type | | yes |
| Connection type Sensors | | Piercing connection |
| Connection type Motor output | | Plug connection |
| Pre-assembled motor connection cable | | 1,0 |
| L x W x H (mm) | | 254 x 88 x 123 |
| Approvals | |  |
| Versions | | |
| Cable length (m) | Type | Order No |
| X.X - on request | FP CM 2I2IO/RS485(SEW) XX | 83.252.XX06.4 |



Assembled motor connection cables for podis[®] MOT-field distributors (binary interface)

Connection cable for MOVI-SWITCH 1E drives (binary)

Connection cable 8x1.5 mm² **revos**_{MOT} W25 – 10; e.g. for SEW MOVI-SWITCH 1E, assembled with "Ölflex Classic 110"; 8x1.5 mm²; **revos**_{MOT} angled – open cable end; stripping length 190 mm; insulation removal length 7 mm, ultrasonically compressed; cable length 1000 mm



| Description | Type | Order No |
|-------------------------------|--|--|
| Connection cable | revos _{MOT} W 8X1.5 - 10 | 83.311.1002.1 |
| Technical data | | |
| Rated voltage (V) | | 400 |
| Rated current (A) | | 16 |
| Number of poles | | 8 |
| Cable type (mm ²) | | 1.5 |
| Design side 1 | | Plug |
| Design side 2 | | open end |
| Cable end treatment | | ultrasonically compressed wire ends |
| Cable type | | Ölflex Classic 110 |
| Cable diameter (mm) | | 10.6 |
| Stripping length (mm) | | 190 |
| Wire strip length (mm) | | 7 |
| Cable length (m) | | 1.0 |
| Approvals | | - |
| Versions | | |
| Cable length (m) | 1.5 | revos _{MOT} W 8X1.5 - 15 |
| | 2.0 | revos _{MOT} W 8X1.5 - 20 |
| | 3.0 | revos _{MOT} W 8X1.5 - 30 |
| | 4.0 | revos _{MOT} W 8X1.5 - 40 |
| | 5.0 | revos _{MOT} W 8X1.5 - 50 |

Connection cable for MOVI-SWITCH 2S drives (binary)

Connection cable **revos**_{MOT} W 9x1.5 mm² – 10; e.g. for SEW MOVI-SWITCH 2S, assembled with "Ölflex Classic 110"; 9x1.5 mm²; **revos**_{MOT} angled – open cable end; stripping length 190 mm; insulation removal length 7 mm, ultrasonically compressed; cable length 1000 mm



| Description | Type | Order No |
|-------------------------------|--|--|
| Connection cable | revos _{MOT} W 9X1.5 - 10 | 83.312.1002.1 |
| Technical data | | |
| Rated voltage (V) | | 400 |
| Rated current (A) | | 16 |
| Number of poles | | 9 |
| Cable type (mm ²) | | 1.5 |
| Design side 1 | | Plug |
| Design side 2 | | open end |
| Cable end treatment | | ultrasonically compressed wire ends |
| Cable type | | Ölflex Classic 110 |
| Cable diameter (mm) | | 11.4 |
| Stripping length (mm) | | 190 |
| Wire strip length (mm) | | 7 |
| Cable length (m) | | 1.0 |
| Approvals | | - |
| Versions | | |
| Cable length (m) | 1.5 | revos _{MOT} W 9X1.5 - 15 |
| | 2.0 | revos _{MOT} W 9X1.5 - 20 |
| | 3.0 | revos _{MOT} W 9X1.5 - 30 |
| | 4.0 | revos _{MOT} W 9X1.5 - 40 |
| | 5.0 | revos _{MOT} W 9X1.5 - 50 |

Connection cable for MOVIMOT drives (binary)

Connection cable **revos**_{MOT} W 11x1.5 mm² – 10; e.g. for SEW MOVIMOT, assembled with "Ölflex Classic 110"; 11x1.5 mm²; **revos**_{MOT} angled – open cable end; stripping length 190 mm; insulation removal length 7 mm, ultrasonically compressed; cable length 1000 mm



| Description | Type | Order No |
|-------------------------------|---|---|
| Connection cable | revos _{MOT} W 11X1.5 - 10 | 83.313.1002.1 |
| Technical data | | |
| Rated voltage (V) | | 400 |
| Rated current (A) | | 16 |
| Number of poles | | 11 |
| Cable type (mm ²) | | 1.5 |
| Design side 1 | | Plug |
| Design side 2 | | open end |
| Cable end treatment | | ultrasonically compressed wire ends |
| Cable type | | Ölflex Classic 110 |
| Cable diameter (mm) | | 12 |
| Stripping length (mm) | | 190 |
| Wire strip length (mm) | | 7 |
| Cable length (m) | | 1.0 |
| Approvals | | - |
| Versions | | |
| Cable length (m) | 1.5 | revos _{MOT} W 11X1.5 - 15 |
| | 2.0 | revos _{MOT} W 11X1.5 - 20 |
| | 3.0 | revos _{MOT} W 11X1.5 - 30 |
| | 4.0 | revos _{MOT} W 11X1.5 - 40 |
| | 5.0 | revos _{MOT} W 11X1.5 - 50 |

Assembled motor connection cables for *podis*® MOT-field distributors (RS485 interface)

| Description | | Type | Order No |
|--|-----|--------------------------------|-------------------------------------|
| Connection cable | | HYB4+2X2 REV.MOT W25-10 | 83.314.1002.1 |
| Technical data | | | |
| Rated voltage (V) | | | 400 |
| Rated current (A) | | | 16 |
| Number of poles | | | 8 |
| Cable cross-section (mm ²) | | | 2.5 |
| Design side 1 | | | Plug |
| Design side 2 | | | open end |
| Cable end treatment | | | ultrasonically compressed wire ends |
| Cable type | | | LI12Y11Y4X2.5 +2X2X1.0(C) |
| Cable diameter (mm) | | | 12.8 |
| Stripping length (mm) | | | 190 |
| Wire strip length (mm) | | | 7 |
| Cable length (m) | | | 1.0 |
| Approvals | | | - |
| Versions | | Type | Order No |
| Cable length (m) | 1.5 | HYB4+2X2 REV.MOT W25-15 | 83.314.1502.1 |
| | 2.0 | HYB4+2X2 REV.MOT W25-20 | 83.314.2002.1 |
| | 3.0 | HYB4+2X2 REV.MOT W25-30 | 83.314.3002.1 |
| | 4.0 | HYB4+2X2 REV.MOT W25-40 | 83.314.4002.1 |
| | 5.0 | HYB4+2X2 REV.MOT W25-50 | 83.314.5002.1 |

Connection cable for SEW MOVIMOT drives (RS 485)

Connection cable *revos* MOT W 4 x 2.5 + 2 x 2 x 1.0 mm² - 10; for SEW MOVIMOT; assembled with hybrid cable 4x2.5 + 2 x 2 x 1.0 (C) sw; *revos* MOT angled – open cable end; stripping length 230 mm; insulation removal length 8 mm, ultrasonically compressed; cable length 1000 mm



Accessories see page 61 and following.

More assemblies on request

