



## SMC66B1-EPAABX1

StepmCon Box 6A 12-72VDC Profinet

SMC66 is the Step Motor Controller series behind the state-of-the-art ServoStep<sup>®</sup> MIS17/23 series of integrated stepper motors with servo control (closed-loop) in the NEMA 17A23 sizes.

SMC66 is used in applications where you need a separate controller and stepper motor. Motor currents are from 0 up to 6 Amp. Supply range: 12-72 VDC.

All controllers are programmable and have 8 I/O points (each can be DI or DO or AI). They are also equipped with a RS485 MODBUS RTU and MACTALK up to 1Mbit serial interface and an Encoder input for external encoders. Resolution is 409600 step/rev and 0,01RPM for smooth and low noise operation.

Options include:

-Ethernet interface w/built-in switch for easy daisy-chaining and all protocols (Profinet, EtherNet/IP, EtherCAT, SERCOS, ModbusTCP/UDP and Powerlink).

-SSI or incremental encoder input M12 connector

-CANopen

-STO M8 connector

-PCB or IP65 box with M12

-PCB version with or without M12/cables

Unique Ethernet functionality: use PC software MacTalk<sup>®</sup> to change freely between all the different Ethernet protocols, you dont need several different types on stock – ONE is enough.



## General information

**Description** StepmCon Box 6A 12-72VDC Profinet, 6xM12. 2x4pF:Profinet 17pF:8xDIO/AI +RS422+RS485 5p:Motor 8p: SSI or AB, 12-72 VDC (Default 6 Amp.), Up to 6 Amp, Hardware version 1. (default), No magnetic chip. , IP65 housing. Motor: M12 Type A female max RMS motor current 3.4 Amp/phase. Peak 5 Amp. Encoder: M12 Type A 8 pin male.

|                                   |         |                                       |                    |
|-----------------------------------|---------|---------------------------------------|--------------------|
| <b>Duty Cycle</b>                 |         | <b>Max Duty Cycle [%]</b>             |                    |
| <b>Manufacture</b>                | JVL     | <b>Motor type</b>                     | Stepper Controller |
| <b>Color</b>                      | Black   | <b>Motor resolution</b>               | 400 ustep/fullstep |
| <b>Integrated PLC</b>             | Yes     | <b>PLC no. of DI/DO/AI</b>            | 8                  |
| <b>Software</b>                   | MacTalk | <b>Connectivity: Without module</b>   | Profinet           |
| <b>Protection house</b>           | IP65    | <b>Closed loop</b>                    |                    |
| <b>Main supply [V]</b>            | 12-72   | <b>Voltage type - Main</b>            | DC                 |
| <b>Motor current RMS/Peak [A]</b> | 6.0     | <b>Control voltage (CVI/O+) [VDC]</b> | 12-28              |
| <b>Weight net [kg]</b>            | 0.35    | <b>Weight gross [kg]</b>              | 0.51               |
| <b>MTBF 100% [Year]</b>           |         | <b>MTBF 30% [Year]</b>                |                    |



## SMC66B1-EPAABX1

StepmCon Box 6A 12-72VDC Profinet

### General information

Tariff no 85371098

CE Marked

Approval - ROHS-3 Yes

Approval TÜV - STO No

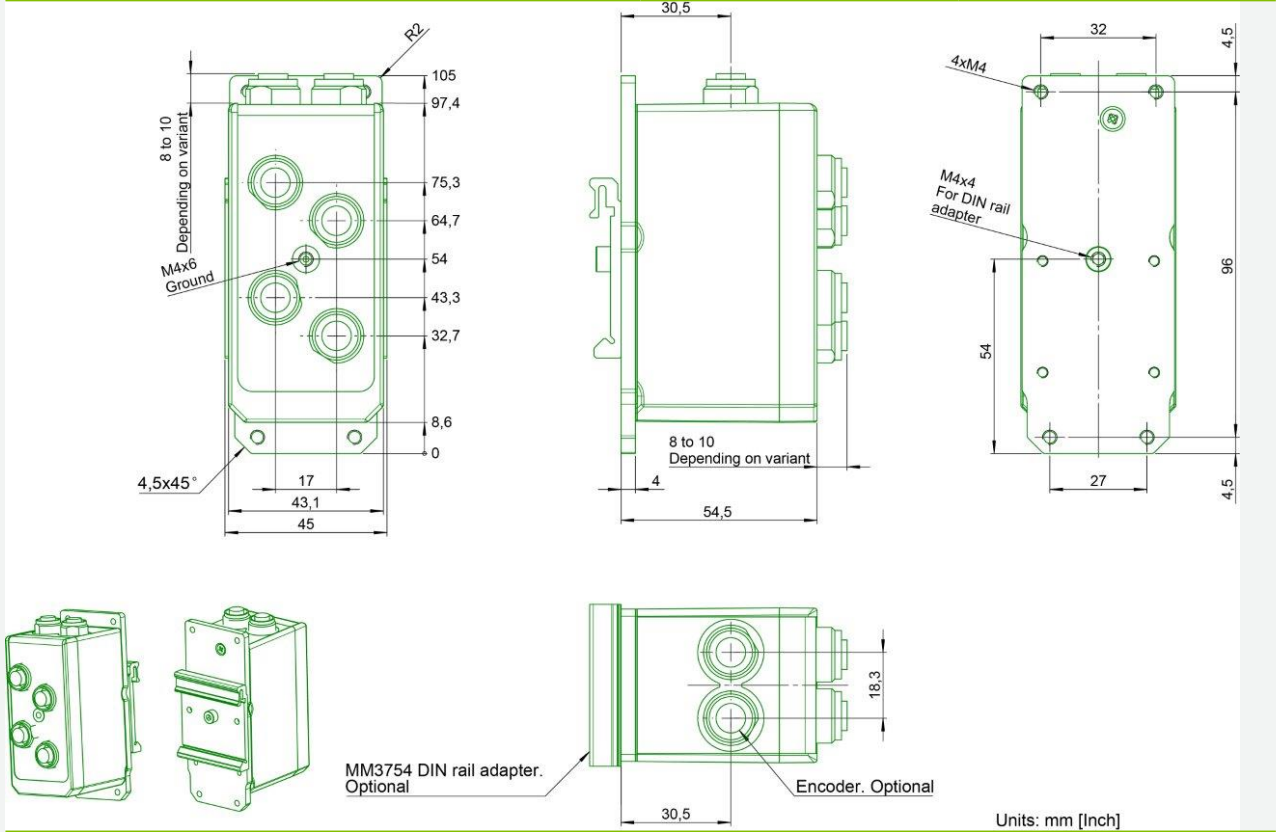


## SMC66B1-EPAABX1

StepmCon Box 6A 12-72VDC Profinet

### Mechanical information

|                        |                    |                              |          |
|------------------------|--------------------|------------------------------|----------|
| <b>Motor type</b>      | Stepper Controller | <b>Length [mm]</b>           | 105.0    |
| <b>Height [mm]</b>     | 54.5               | <b>Width [mm]</b>            | 43.1     |
| <b>CAD 2D [PDF]</b>    |                    | <b>CAD 3D [STEP]</b>         |          |
| <b>Datasheet - pdf</b> | Download           | <b>User Manual</b>           | Download |
| <b>WEB page</b>        | Link               | <b>Low voltage Directive</b> |          |



|                                       |       |                                   |       |
|---------------------------------------|-------|-----------------------------------|-------|
| <b>Control voltage (CVI/O+) [VDC]</b> | 12-28 | <b>Main supply [V]</b>            | 12-72 |
| <b>Main supply Min-Max [V]</b>        | 7-90  | <b>Motor current RMS/Peak [A]</b> | 6.0   |



## SMC66B1-EPAABX1

StepmCon Box 6A 12-72VDC Profinet

### Connector information

|                          |     |                    |                                   |
|--------------------------|-----|--------------------|-----------------------------------|
| <b>Connector 1 label</b> | PWR | <b>Connector 1</b> | M12 5-pin male A-coded            |
| <b>Connector 2 label</b> | CN2 | <b>Connector 2</b> | M12 4-pin female D-coded Ethernet |
| <b>Connector 3 label</b> | CN3 | <b>Connector 3</b> | M12 4-pin female D-coded Ethernet |
| <b>Connector 4 label</b> | CN4 | <b>Connector 4</b> | M12 17-pin female A-coded         |

|                        |                          |                          |                        |
|------------------------|--------------------------|--------------------------|------------------------|
| <b>Connector Motor</b> | M12 5-pin female A-coded | <b>Connector Encoder</b> | M12 8-pin male A-coded |
| <b>Connector STO</b>   | No                       |                          |                        |

|                          |    |                          |     |
|--------------------------|----|--------------------------|-----|
| <b>Connector 1 RS485</b> | -  | <b>Connector 2 RS485</b> | No  |
| <b>Connector 3 RS485</b> | No | <b>Connector 4 RS485</b> | Yes |



## SMC66B1-EPAABX1

StepmCon Box 6A 12-72VDC Profinet

### Electrical information

|   |       |  |      |
|---|-------|--|------|
| <b>Control voltage (CVI/O+) [VDC]</b>       | 12-28 | <b>Control Voltage (CVI) Min-Max [VDC]</b> | 7-30 |
| <b>Main supply [V]</b>                      | 12-72 | <b>Main supply Min-Max [V]</b>             | 7-90 |
| <b>Voltage type - Main</b>                  | DC    | <b>Motor current RMS/Peak [A]</b>          | 6.0  |
| <b>Recommended fuse</b>                     |       |  |      |
| <b>Analogue Output [V]</b>                  |       | <b>Analogue Output [mA]</b>                |      |
| <b>Analogue Isolated Output Voltage [V]</b> |       |  |      |



**JVL A/S | Bregnerødvej 127 | DK-3460 Birkerød | Denmark | Tel. (+45) 4582 4440 | [www.jvl.dk](http://www.jvl.dk) | [sales@jvl.dk](mailto:sales@jvl.dk)**

**SMC66B1-EPAABX1**

StepmCon Box 6A 12-72VDC Profinet

## Communication information

**e-PLC Files**

**Ethernet, PLC demo files**



## SMC66B1-EPAABX1

## StepmCon Box 6A 12-72VDC Profinet

### Cable information

| Item number  | Mount on    | Cable con 1 +Con 1 angle   | Cable application                    | Wires no totally | Cable length [m] |
|--|-------------|--|--------------------------------------|------------------|------------------|
| Item description   |             | Cable con 2 +Con 2 angle   | Cable flexibility                    | Wire [mm2]       | Connector 1 LED  |
| WI1000-M12F5T02N<br>M12 Shl Cable 2m 5 pin Fem 0°, Power                   | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>Open Ended - n/a               | Power/Motor/com<br>Standard          | 5<br>0.32        | 2<br>No          |
| WI1000-M12F5T05N<br>M12 Shl Cable 5m 5 pin Fem 0°, Power                   | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>Open Ended - n/a               | Power/Motor/com<br>Standard          | 5<br>0.32        | 5<br>No          |
| WI1000-M12F5T1.2N<br>M12 Shl Cable 1.2m 5 pin Fem 0°, Power                | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>Open Ended - n/a               | Power/Motor/com<br>Standard          | 5<br>0.32        | 1.2<br>No        |
| WI1000-M12F5T10N<br>M12 Shl Cable 10m 5 pin Fem 0°, Power                  | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>Open Ended - n/a               | Power/Motor/com<br>Standard          | 5<br>0.32        | 10<br>No         |
| WI1000-M12F5T10R<br>M12 Shl Cable 10m 5 pin Fem 0°, Power, High-flex       | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>Open Ended - n/a               | Power/Motor/com<br>Cable Chains - 2D | 5<br>0.34        | 10<br>No         |
| WI1000-M12F5T20N<br>M12 Shl Cable 20m 5 pin Fem 0°, Power                  | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>Open Ended - n/a               | Power/Motor/com<br>Standard          | 5<br>0.32        | 20<br>No         |
| WI1000-M12F5TLT0185<br>M12 shl Cable 3m 5 pin female 0°,PW SPEC            | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>- n/a                          | Power/Motor/com<br>Standard          | 5<br>0.32        | 3<br>No          |
| WI1000-M12F5TM5T1.5N<br>M12 A Code Shl Cable 1.5m 5 pin Female/Male 0° Pow | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>- n/a                          | Power/Motor/com                      |                  | 1.5<br>No        |
| WI1000-M12F5V05N<br>M12 Shl Cable 5m 5 pin Fem 90°, Power                  | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>Open Ended - n/a                  | Power/Motor/com<br>Standard          | 5<br>0.32        | 5<br>No          |
| WI1000-M12F5V05R<br>M12 Shl Cable 5m 5 pin Fem 90°, Power, 3D              | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>- n/a                             | Power/Motor/com                      |                  | 5<br>No          |
| WI1000-M12F5V10N<br>M12 Shl Cable 10 m 5 pin Fem 90°, Power                | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>Open Ended - n/a                  | Power/Motor/com<br>Standard          | 5<br>0.32        | 10<br>No         |
| WI1000-M12F5V20N<br>M12 Shl Cable 20m 5 pin Fem 90°, Power                 | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>Open Ended - n/a                  | Power/Motor/com<br>Standard          | 5<br>0.32        | 20<br>No         |
| WI1000-M12F5W05N<br>M12 Shl Cable 5m LED 5p Fem 90°, Power <50V            | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>Open Ended - n/a                  | Power/Motor/com<br>Standard          | 5<br>0.32        | 5<br>LED         |
| WI1000-M12F5W10N<br>M12 Shl Cable 10m LED 5 p Fem 90°, Power <50V          | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>Open Ended - n/a                  | Power/Motor/com<br>Standard          | 5<br>0.32        | 10<br>LED        |
| WI1000-M12F5W15N<br>M12 Shl Cable 15m LED 5 p Fem 90°, Power <50V          | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>Open Ended - n/a                  | Power/Motor/com<br>Standard          | 5<br>0.32        | 15<br>LED        |
| WI1000-M12F5W20N<br>M12 Shl Cable 20m LED 5 p Fem 90°, Power <50V          | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>Open Ended - n/a                  | Power/Motor/com<br>Standard          | 5<br>0.32        | 20<br>LED        |
| WI1000-M12F5WF5W20N<br>M12 shl cab 20m LED 5 pin female 90',Pow <50V       | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>M12 5-pin female A-coded - n/a    | Power/Motor/com<br>Standard          | 5<br>0.32        | 20<br>LED        |
| WI1005-M12F5TF5T03P<br>M12 Cab 3m, 5p Fem - 5p Fem twistedPair             | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>M12 5-pin female A-coded - n/a | Communication                        |                  | 3<br>No          |
| WI1005-M12F5TM5T2.0N<br>M12 cable 2m, 5 pin female - 5pin male             | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>M12 5-pin male A-coded - n/a   | Communication<br>Standard            |                  | 2<br>0.32<br>No  |
| WI1008-M12F5AG1<br>M12 Con 5p Fem 90° Spring Ø4-8mm cable                  | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>Open Ended - n/a                  | CANopen/DeviceNet                    |                  | 20<br>No         |
| WI1008-M12F5SS1<br>M12 Con 5p Fem 0° Solder assembly                       | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>- n/a                          | CANopen/DeviceNet<br>n/a             | n/a              | Connector<br>No  |
| WI1008-M12F5TG1<br>M12 Con 5p Fem 0° Spring Shield+B222                    | Connector 1 | M12 5-pin female A-coded - 180° Straight<br>- n/a                          | CANopen/DeviceNet<br>n/a             | n/a              | Connector<br>No  |
| WI1008-M12F5VG1<br>M12 Con 5p Fem 90° Spring Shield                        | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>- n/a                             | CANopen/DeviceNet<br>n/a             | n/a              | Connector<br>No  |
| WI1025-M12F5AF5AM5A<br>M12 T-Con 2x Fem 5 p + 1x Male 5 p                  | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>M12 5-pin female A-coded - n/a    |                                      | 5<br>0.32        | No               |
| WI1025-M12F5AM5A<br>M12 Cabinet Feed-through F5p-M5p                       | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>M12 5-pin male A-coded - n/a      |                                      | 5<br>0.32        | No               |
| WI1025-M12F5AM5AF5A<br>M12 T-Con Fem 5p+ Male 5p + Fem 5p NoSh             | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>M12 5-pin male A-coded - n/a      |                                      | 5<br>0.32        | No               |
| WI1025-M12F5VM5VF5V<br>M12 Shl Y-Con 1xMale 5p + 2x Fem 5p CAN             | Connector 1 | M12 5-pin female A-coded - 90° Angled<br>M12 5-pin male A-coded CAN - n/a  |                                      | 5<br>0.32        | No               |
| WI1046-M12M4S.3NRJ45   | Connector 2 | M12 4-pin male D-coded Ethernet - 180° Straight                            | Ethernet                             | 4                | 0.3              |



## SMC66B1-EPAABX1

## StepmCon Box 6A 12-72VDC Profinet

### Cable information

| Item number                                     | Mount on    | Cable con 1 +Con 1 angle                           | Cable application | Wires no totally | Cable length [m] |
|---|-------------|--|-------------------|------------------|------------------|
| Item description                                |             | Cable con 2 +Con 2 angle                           | Cable flexibility | Wire [mm2]       | Connector 1 LED  |
| M12 Cab D-code Ethernet M0°-RJ45, 0,3m, Ø5      |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4S01NRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 1                |
| M12 Cab D-code Ethernet M0°-RJ45, 1,0m, Ø5      |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4S05NRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 5                |
| M12 Cab D-code Ethernet M0°-RJ45, SFTP, 5m, Ø5  |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4S05R                                | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 5                |
| M12 Cab D-code Ethernet M0°, SFTP, 5m Ø7        |             | Open Ended - n/a                                   | Cable chains - 2D | 0.13             | No               |
| WI1046-M12M4S10NRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 10               |
| M12 Cab D-code Ethernet M0°-RJ45, 10m, Ø5       |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4S15NRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 15               |
| M12 Cab D-code Ethernet M0°-RJ45, 15m, RJ45 Ø5  |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4S15R                                | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 15               |
| M12 Cab D-code Ethernet M0°, 15m Ø7             |             | Open Ended - n/a                                   | Cable chains - 2D | 0.13             | No               |
| WI1046-M12M4T.3TRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 0.3              |
| M12 Cab D-code Ethernet M0°-RJ45, 0,3m, RJ45 Ø5 |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4T01TRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 1                |
| M12 Cab D-code Ethernet M0°-RJ45, 1m, RJ45 Ø5   |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4T02NRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 2                |
| M12 Cab D-code Ethernet M0°-RJ45, 2m, Ø5        |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4T05TRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 5                |
| M12 Cab D-code Ethernet M0°-RJ45, 5m, Ø5        |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4T10TRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 10               |
| M12 Cab D-code Ethernet M0°-RJ45, 10m, Ø5       |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4T15TRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 15               |
| M12 Cab D-code Ethernet M0°-RJ45, SFTP, 15m, Ø5 |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4T20TRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 20               |
| M12 Cab D-code Ethernet M0°-RJ45, 20m, Ø5       |             | RJ45 male - n/a                                    | Standard          | 0.13             | No               |
| WI1046-M12M4TM4T.3R                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 0.3              |
| M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6       |             | M12 4-pin male D-coded Ethernet - n/a              | Robotic - 3D      | 0.14             | No               |
| WI1046-M12M4TM4T.3T                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 0.3              |
| M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6       |             | M12 4-pin male D-coded Ethernet - n/a              | Standard          | 0.13             | No               |
| WI1046-M12M4TM4T01R                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 1                |
| M12 Cab D-code Ethernet M0°-M0°, 1m, Ø7         |             | M12 4-pin male D-coded Ethernet - n/a              | Robotic - 3D      | 0.14             | No               |
| WI1046-M12M4TM4T01T                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 1                |
| M12 Cab D-code Ethernet M0°-M0°, 1m, Ø6         |             | M12 4-pin male D-coded Ethernet - n/a              | Standard          | 0.13             | No               |
| WI1046-M12M4TM4T02R                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 2                |
| M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø7       |             | M12 4-pin male D-coded Ethernet - n/a              | Robotic - 3D      | 0.14             | No               |
| WI1046-M12M4TM4T02T                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 2                |
| M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø6       |             | M12 4-pin male D-coded Ethernet - n/a              | Standard          | 0.13             | No               |
| WI1046-M12M4TM4T05R                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 5                |
| M12 Cab D-code Ethernet M0°-M0°, 5m, Ø7         |             | M12 4-pin male D-coded Ethernet - n/a              | Robotic - 3D      | 0.14             | No               |
| WI1046-M12M4TM4T05T                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 5                |
| M12 Cab D-code Ethernet M0°-M0°, 5m, Ø6         |             | M12 4-pin male D-coded Ethernet - n/a              | Standard          | 0.13             | No               |
| WI1046-M12M4TM4T10R                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 10               |
| M12 Cab D-code Ethernet M0°-M0°, 10m, Ø7        |             | M12 4-pin male D-coded Ethernet - n/a              | Robotic - 3D      | 0.14             | No               |
| WI1046-M12M4TM4T10T                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 10               |
| M12 Cab D-code Ethernet M0°-M0°, 10m, Ø6        |             | M12 4-pin male D-coded Ethernet - n/a              | Standard          | 0.13             | No               |
| WI1046-M12M4TM4T15R                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180°<br>Straight | Ethernet          | 4                | 15               |
| M12 Cab D-code Ethernet M0°-M0°, 15m, Ø7        |             | M12 4-pin male D-coded Ethernet - n/a              | Robotic - 3D      | 0.14             | No               |





## SMC66B1-EPAABX1

## StepmCon Box 6A 12-72VDC Profinet

### Cable information

| Item number                                     | Mount on    | Cable con 1 +Con 1 angle                        | Cable application | Wires no totally | Cable length [m] |
|---|-------------|---|-------------------|------------------|------------------|
| Item description                                |             | Cable con 2 +Con 2 angle                        | Cable flexibility | Wire [mm2]       | Connector 1 LED  |
| WI1046-M12M4TM4T20R                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 20               |
| M12 Cab D-code Ethernet M0°-M0°, 20m, Ø7        |             | M12 4-pin male D-coded Ethernet - n/a           | Robotic - 3D      | 0.14             | No               |
| WI1046-M12M4TM4T20T                             | Connector 2 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 20               |
| M12 Cab D-code Ethernet M0°-M0°, 20m, Ø6        |             | M12 4-pin male D-coded Ethernet - n/a           | Standard          | 0.13             | No               |
| WI1046-M12M4V02TRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 90° Angled    | Ethernet          | 4                | 2                |
| M12 Cab D-code Ethernet M90°-RJ45, 2m, Ø5       |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4V05TRJ45                            | Connector 2 | M12 4-pin male D-coded Ethernet - 90° Angled    | Ethernet          | 4                | 5                |
| M12 Cab D-code Ethernet M90°-RJ45, 5m, Ø6       |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4VM4T.6N                             | Connector 2 | M12 4-pin male D-coded Ethernet - 90° Angled    | Ethernet          | 4                | 0.6              |
| M12 Cab D-code Ethernet M90°-M0°, 0,6m, Ø6      |             | M12 4-pin male D-coded Ethernet - n/a           | Standard          | 0.13             | No               |
| WI1046-M12M4VM4V.6N                             | Connector 2 | M12 4-pin male D-coded Ethernet - 90° Angled    | Ethernet          | 4                | 0.6              |
| M12 Cab D-code Ethernet M90°-M90°, 0,6m, Ø6     |             | M12 4-pin male D-coded Ethernet - n/a           | Standard          | 0.13             | No               |
| WI1048-M12M4TTR1                                | Connector 2 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          |                  | Connector        |
| M12 Con 4 p Male D Code Ethernet PressLock      |             | - n/a   | n/a               |                  | No               |
| WI1046-M12M4S.3NRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 0.3              |
| M12 Cab D-code Ethernet M0°-RJ45, 0,3m, Ø5      |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4S01NRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 1                |
| M12 Cab D-code Ethernet M0°-RJ45, 1,0m, Ø5      |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4S05NRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 5                |
| M12 Cab D-code Ethernet M0°-RJ45, SFTP, 5m, Ø5  |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4S05R                                | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 5                |
| M12 Cab D-code Ethernet M0°, SFTP, 5m Ø7        |             | Open Ended - n/a                                | Cable chains - 2D | 0.13             | No               |
| WI1046-M12M4S10NRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 10               |
| M12 Cab D-code Ethernet M0°-RJ45, 10m, Ø5       |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4S15NRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 15               |
| M12 Cab D-code Ethernet M0°-RJ45, 15m, RJ45 Ø5  |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4S15R                                | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 15               |
| M12 Cab D-code Ethernet M0°, 15m Ø7             |             | Open Ended - n/a                                | Cable chains - 2D | 0.13             | No               |
| WI1046-M12M4T.3TRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 0.3              |
| M12 Cab D-code Ethernet M0°-RJ45, 0,3m, RJ45 Ø5 |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4T01TRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 1                |
| M12 Cab D-code Ethernet M0°-RJ45, 1m, RJ45 Ø5   |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4T02NRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 2                |
| M12 Cab D-code Ethernet M0°-RJ45, 2m, Ø5        |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4T05TRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 5                |
| M12 Cab D-code Ethernet M0°-RJ45, 5m, Ø5        |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4T10TRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 10               |
| M12 Cab D-code Ethernet M0°-RJ45, 10m, Ø5       |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4T15TRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 15               |
| M12 Cab D-code Ethernet M0°-RJ45, SFTP, 15m, Ø5 |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4T20TRJ45                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 20               |
| M12 Cab D-code Ethernet M0°-RJ45, 20m, Ø5       |             | RJ45 male - n/a                                 | Standard          | 0.13             | No               |
| WI1046-M12M4TM4T.3R                             | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 0.3              |
| M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6       |             | M12 4-pin male D-coded Ethernet - n/a           | Robotic - 3D      | 0.14             | No               |
| WI1046-M12M4TM4T.3T                             | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 0.3              |
| M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6       |             | M12 4-pin male D-coded Ethernet - n/a           | Standard          | 0.13             | No               |
| WI1046-M12M4TM4T01R                             | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 1                |
| M12 Cab D-code Ethernet M0°-M0°, 1m, Ø7         |             | M12 4-pin male D-coded Ethernet - n/a           | Robotic - 3D      | 0.14             | No               |
| WI1046-M12M4TM4T01T                             | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet          | 4                | 1                |
| M12 Cab D-code Ethernet M0°-M0°, 1m, Ø6         |             | M12 4-pin male D-coded Ethernet - n/a           | Standard          | 0.13             | No               |



## SMC66B1-EPAABX1

## StepmCon Box 6A 12-72VDC Profinet

### Cable information

| Item number                                 | Mount on    | Cable con 1 +Con 1 angle                        | Cable application     | Wires no totally | Cable length [m] |
|---|-------------|---|-----------------------|------------------|------------------|
| Item description                            |             | Cable con 2 +Con 2 angle                        | Cable flexibility     | Wire [mm2]       | Connector 1 LED  |
| WI1046-M12M4TM4T02R                         | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet              | 4                | 2                |
| M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø7   |             | M12 4-pin male D-coded Ethernet - n/a           | Robotic - 3D          | 0.14             | No               |
| WI1046-M12M4TM4T02T                         | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet              | 4                | 2                |
| M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø6   |             | M12 4-pin male D-coded Ethernet - n/a           | Standard              | 0.13             | No               |
| WI1046-M12M4TM4T05R                         | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet              | 4                | 5                |
| M12 Cab D-code Ethernet M0°-M0°, 5m, Ø7     |             | M12 4-pin male D-coded Ethernet - n/a           | Robotic - 3D          | 0.14             | No               |
| WI1046-M12M4TM4T05T                         | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet              | 4                | 5                |
| M12 Cab D-code Ethernet M0°-M0°, 5m, Ø6     |             | M12 4-pin male D-coded Ethernet - n/a           | Standard              | 0.13             | No               |
| WI1046-M12M4TM4T10R                         | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet              | 4                | 10               |
| M12 Cab D-code Ethernet M0°-M0°, 10m, Ø7    |             | M12 4-pin male D-coded Ethernet - n/a           | Robotic - 3D          | 0.14             | No               |
| WI1046-M12M4TM4T10T                         | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet              | 4                | 10               |
| M12 Cab D-code Ethernet M0°-M0°, 10m, Ø6    |             | M12 4-pin male D-coded Ethernet - n/a           | Standard              | 0.13             | No               |
| WI1046-M12M4TM4T15R                         | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet              | 4                | 15               |
| M12 Cab D-code Ethernet M0°-M0°, 15m, Ø7    |             | M12 4-pin male D-coded Ethernet - n/a           | Robotic - 3D          | 0.14             | No               |
| WI1046-M12M4TM4T20R                         | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet              | 4                | 20               |
| M12 Cab D-code Ethernet M0°-M0°, 20m, Ø7    |             | M12 4-pin male D-coded Ethernet - n/a           | Robotic - 3D          | 0.14             | No               |
| WI1046-M12M4TM4T20T                         | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet              | 4                | 20               |
| M12 Cab D-code Ethernet M0°-M0°, 20m, Ø6    |             | M12 4-pin male D-coded Ethernet - n/a           | Standard              | 0.13             | No               |
| WI1046-M12M4V02TRJ45                        | Connector 3 | M12 4-pin male D-coded Ethernet - 90° Angled    | Ethernet              | 4                | 2                |
| M12 Cab D-code Ethernet M90°-RJ45, 2m, Ø5   |             | RJ45 male - n/a                                 | Standard              | 0.13             | No               |
| WI1046-M12M4V05TRJ45                        | Connector 3 | M12 4-pin male D-coded Ethernet - 90° Angled    | Ethernet              | 4                | 5                |
| M12 Cab D-code Ethernet M90°-RJ45, 5m, Ø6   |             | RJ45 male - n/a                                 | Standard              | 0.13             | No               |
| WI1046-M12M4VM4T.6N                         | Connector 3 | M12 4-pin male D-coded Ethernet - 90° Angled    | Ethernet              | 4                | 0.6              |
| M12 Cab D-code Ethernet M90°-M0°, 0,6m, Ø6  |             | M12 4-pin male D-coded Ethernet - n/a           | Standard              | 0.13             | No               |
| WI1046-M12M4VM4V.6N                         | Connector 3 | M12 4-pin male D-coded Ethernet - 90° Angled    | Ethernet              | 4                | 0.6              |
| M12 Cab D-code Ethernet M90°-M90°, 0,6m, Ø6 |             | M12 4-pin male D-coded Ethernet - n/a           | Standard              | 0.13             | No               |
| WI1048-M12M4TTR1                            | Connector 3 | M12 4-pin male D-coded Ethernet - 180° Straight | Ethernet              |                  | Connector        |
| M12 Con 4 p Male D Code Ethernet PressLock  |             | - n/a   | n/a                   |                  | No               |
| WI1005-M12M17SAA01                          | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 1 Without wire         |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA01W                         | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 1, with wire 1,2m      |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA02                          | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 2 Without wire         |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA03                          | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 3 Without wire         |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA04                          | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 4 Without wire         |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA05                          | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 5 Without wire         |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA06                          | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 6 Without wire         |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA06W                         | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 6 with wire 1,2m       |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA07                          | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 7 Without wire         |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA08                          | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 8 Without wire         |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA09                          | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 9 Without wire         |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1005-M12M17SAA10                          | Connector 4 | M12 17-pin male A-coded - 180° Straight         | Communication         | n/a              | Connector        |
| M12 17-pin male Axis 10 Without wire        |             | n/a - n/a                                       | n/a                   | n/a              | No               |
| WI1008-M12M17SR1                            | Connector 4 | M12 17-pin male A-coded - 180° Straight         | CANopen/DeviceNet n/a |                  | Connector        |



## SMC66B1-EPAABX1

## StepmCon Box 6A 12-72VDC Profinet

### Cable information

| Item number  | Mount on          | Cable con 1 +Con 1 angle                 | Cable application | Wires no totally | Cable length [m] |
|--|-------------------|--|-------------------|------------------|------------------|
| Item description                                   |                   | Cable con 2 +Con 2 angle                 | Cable flexibility | Wire [mm2]       | Connector 1 LED  |
| M12 Con 17p Male 0° Metal housing 5.4-8.2mm cable  |                   | - n/a                                    | n/a               | n/a              | No               |
| WI1009-M12M17T01N                                  | Connector 4       | M12 17-pin male A-coded - 180° Straight  | Basic I/O, Com    | 17               | 1                |
| M12 Shl Cable 1m 17p Mal 0° MISxx,Ex41 twisted     |                   | Open Ended - n/a                         | Standard          | 0.061            | No               |
| WI1009-M12M17T05N                                  | Connector 4       | M12 17-pin male A-coded - 180° Straight  | Basic I/O, Com    | 17               | 5                |
| M12 Shl Cable 5m 17p Mal 0° MISxx,Ex41 twisted     |                   | Open Ended - n/a                         | Standard          | 0.061            | No               |
| WI1009-M12M17T10R                                  | Connector 4       | M12 17-pin male A-coded - 180° Straight  | Basic I/O, Com    | 17               | 5                |
| M12 Shl Cable 10m 17p Mal 0° MISxx,Ex41 twisted    |                   | Open Ended - n/a                         | Robotic - 3D      | 0.061            | No               |
| WI1009-M12M17T20N                                  | Connector 4       | M12 17-pin male A-coded - 180° Straight  | Basic I/O, Com    | 17               | 20               |
| M12 Shl Cable 20m 17p Mal 0° MISxx,Ex41 twisted    |                   | Open Ended - n/a                         | Standard          | 0.061            | No               |
| WI1009-M12M17TF17T.5                               | Connector 4       | M12 17-pin male A-coded - 180° Straight  | Basic I/O, Com    | 17               | 0.5              |
| M12 Shl Cable.5m Male17p0°-Female 17p0° twist pair |                   | M12 17-pin female A-coded - n/a          | Standard          | 0.061            | No               |
| WI1009-M12M17TF17T01                               | Connector 4       | M12 17-pin male A-coded - 180° Straight  | Basic I/O, Com    | 17               | 1                |
| M12 Shl Cable 1m Male17p0°-Female 17p0° twist pair |                   | M12 17-pin female A-coded - n/a          | Standard          | 0.061            | No               |
| WI1009-M12M17TF17T02                               | Connector 4       | M12 17-pin male A-coded - 180° Straight  | Basic I/O, Com    | 17               | 2                |
| M12 Shl Cable 2m Male17p0°-Female 17p0° twist pair |                   | M12 17-pin female A-coded - n/a          | Standard          | 0.061            | No               |
| WI1009-M12M17TF17T03                               | Connector 4       | M12 17-pin male A-coded - 180° Straight  | Basic I/O, Com    | 17               | 3                |
| M12 Shl Cable 3m Male17p0°-Female 17p0° twist pair |                   | M12 17-pin female A-coded - n/a          | Standard          | 0.061            | No               |
| WI1009-M12M17TF17T04                               | Connector 4       | M12 17-pin male A-coded - 180° Straight  | Basic I/O, Com    | 17               | 4                |
| M12 Shl Cable 4m Male17p0°-Female 17p0° twist pair |                   | M12 17-pin female A-coded - n/a          | Standard          | 0.061            | No               |
| WI1009-M12M17V05N                                  | Connector 4       | M12 17-pin male A-coded - 90° Angled     | Basic I/O, Com    | 17               | 5                |
| M12 Shl Cable 5m 17p Mal 90° MISxx,Ex41 twisted    |                   | Open Ended - n/a                         | Standard          | 0.061            | No               |
| WI1009-M12M17V05R                                  | Connector 4       | M12 17-pin male A-coded - 90° Angled     | Basic I/O, Com    |                  | 5                |
| M12 Shl Cable 5m 17p Mal 90° MISxx,Ex41 twisted    |                   | - n/a                                    | Robotic - 3D      |                  | No               |
| WI1009-M12M17V10N                                  | Connector 4       | M12 17-pin male A-coded - 90° Angled     | Basic I/O, Com    | 17               | 10               |
| M12 Shl Cable 10m 17p Mal 90° MISxx,Ex41 twisted   |                   | Open Ended - n/a                         | Standard          | 0.061            | No               |
| RS485-M12-1-5-17                                   | Connector 4 RS485 | -  |                   |                  |                  |
| RS485 M12-17pin DSub, 5m v1.1                      |                   | -  |                   |                  |                  |
| WI1005-M12M8S10N                                   | Connector Encoder | M12 8-pin male A-coded - 180° Straight   | Communication     | 8                | 10               |
| M12 Shl Cable 10m, 8 p Male MAC00-B41 twisted      |                   | Open Ended - n/a                         | Standard          | 0.32             | No               |
| WI1005-M12M8STR5                                   | Connector Encoder | M12 8-pin male A-coded - 180° Straight   | Communication     | n/a              | Connector        |
| M12 8-pin male A Code Resistor RS485               |                   | n/a - n/a                                | n/a               | 0.32             | No               |
| WI1008-M12M8SC1                                    | Connector Encoder | M12 8-pin male A-coded - 180° Straight   | CANopen/DeviceNet | n/a              | Connector        |
| M12 Con 8p Male 0° Screw Ø4-8mm cable              |                   | - n/a                                    | n/a               | n/a              | No               |
| WI1008-M12M8SS1                                    | Connector Encoder | M12 8-pin male A-coded - 180° Straight   | CANopen/DeviceNet | n/a              | Connector        |
| M12 Con 8p Male 0° Solder assembly                 |                   | - n/a                                    | n/a               | n/a              | No               |
| WI1000-M12F5T02N                                   | Connector Motor   | M12 5-pin female A-coded - 180° Straight | Power/Motor/com   | 5                | 2                |
| M12 Shl Cable 2m 5 pin Fem 0°, Power               |                   | Open Ended - n/a                         | Standard          | 0.32             | No               |
| WI1000-M12F5T05N                                   | Connector Motor   | M12 5-pin female A-coded - 180° Straight | Power/Motor/com   | 5                | 5                |
| M12 Shl Cable 5m 5 pin Fem 0°, Power               |                   | Open Ended - n/a                         | Standard          | 0.32             | No               |
| WI1000-M12F5T1.2N                                  | Connector Motor   | M12 5-pin female A-coded - 180° Straight | Power/Motor/com   | 5                | 1.2              |
| M12 Shl Cable 1.2m 5 pin Fem 0°, Power             |                   | Open Ended - n/a                         | Standard          | 0.32             | No               |
| WI1000-M12F5T10N                                   | Connector Motor   | M12 5-pin female A-coded - 180° Straight | Power/Motor/com   | 5                | 10               |
| M12 Shl Cable 10m 5 pin Fem 0°, Power              |                   | Open Ended - n/a                         | Standard          | 0.32             | No               |
| WI1000-M12F5T10R                                   | Connector Motor   | M12 5-pin female A-coded - 180° Straight | Power/Motor/com   | 5                | 10               |
| M12 Shl Cable 10m 5 pin Fem 0°, Power, High-flex   |                   | Open Ended - n/a                         | Cable Chains - 2D | 0.34             | No               |
| WI1000-M12F5T20N                                   | Connector Motor   | M12 5-pin female A-coded - 180° Straight | Power/Motor/com   | 5                | 20               |
| M12 Shl Cable 20m 5 pin Fem 0°, Power              |                   | Open Ended - n/a                         | Standard          | 0.32             | No               |
| WI1000-M12F5TLT0185                                | Connector Motor   | M12 5-pin female A-coded - 180° Straight | Power/Motor/com   | 5                | 3                |
| M12 shl Cable 3m 5 pin female 0°,PW SPEC           |                   | - n/a                                    | Standard          | 0.32             | No               |
| WI1000-M12F5TM5T1.5N                               | Connector Motor   | M12 5-pin female A-coded - 180° Straight | Power/Motor/com   |                  | 1.5              |
| M12 A Code Shl Cable 1.5m 5 pin Female/Male 0° Pow |                   | - n/a                                    |                   |                  | No               |
| WI1000-M12F5V05N                                   | Connector Motor   | M12 5-pin female A-coded - 90° Angled    | Power/Motor/com   | 5                | 5                |
| M12 Shl Cable 5m 5 pin Fem 90°, Power              |                   | Open Ended - n/a                         | Standard          | 0.32             | No               |
| WI1000-M12F5V05R                                   | Connector Motor   | M12 5-pin female A-coded - 90° Angled    | Power/Motor/com   |                  | 5                |
| M12 Shl Cable 5m 5 pin Fem 90°, Power, 3D          |                   | - n/a                                    |                   |                  | No               |



## SMC66B1-EPAABX1

## StepmCon Box 6A 12-72VDC Profinet

### Cable information

| Item number                                    | Mount on        | Cable con 1 +Con 1 angle                 | Cable application     | Wires no totally | Cable length [m] |
|--|-----------------|--|-----------------------|------------------|------------------|
| Item description                               |                 | Cable con 2 +Con 2 angle                 | Cable flexibility     | Wire [mm2]       | Connector 1 LED  |
| WI1000-M12F5V10N                               | Connector Motor | M12 5-pin female A-coded - 90° Angled    | Power/Motor/com       | 5                | 10               |
| M12 Shl Cable 10 m 5 pin Fem 90°, Power        |                 | Open Ended - n/a                         | Standard              | 0.32             | No               |
| WI1000-M12F5V20N                               | Connector Motor | M12 5-pin female A-coded - 90° Angled    | Power/Motor/com       | 5                | 20               |
| M12 Shl Cable 20m 5 pin Fem 90°, Power         |                 | Open Ended - n/a                         | Standard              | 0.32             | No               |
| WI1000-M12F5W05N                               | Connector Motor | M12 5-pin female A-coded - 90° Angled    | Power/Motor/com       | 5                | 5                |
| M12 Shl Cable 5m LED 5p Fem 90°, Power <50V    |                 | Open Ended - n/a                         | Standard              | 0.32             | LED              |
| WI1000-M12F5W10N                               | Connector Motor | M12 5-pin female A-coded - 90° Angled    | Power/Motor/com       | 5                | 10               |
| M12 Shl Cable 10m LED 5 p Fem 90°, Power <50V  |                 | Open Ended - n/a                         | Standard              | 0.32             | LED              |
| WI1000-M12F5W15N                               | Connector Motor | M12 5-pin female A-coded - 90° Angled    | Power/Motor/com       | 5                | 15               |
| M12 Shl Cable 15m LED 5 p Fem 90°, Power <50V  |                 | Open Ended - n/a                         | Standard              | 0.32             | LED              |
| WI1000-M12F5W20N                               | Connector Motor | M12 5-pin female A-coded - 90° Angled    | Power/Motor/com       | 5                | 20               |
| M12 Shl Cable 20m LED 5 p Fem 90°, Power <50V  |                 | Open Ended - n/a                         | Standard              | 0.32             | LED              |
| WI1000-M12F5WF5W20N                            | Connector Motor | M12 5-pin female A-coded - 90° Angled    | Power/Motor/com       | 5                | 20               |
| M12 shl cab 20m LED 5 pin female 90°, Pow <50V |                 | M12 5-pin female A-coded - n/a           | Standard              | 0.32             | LED              |
| WI1005-M12F5TF5T03P                            | Connector Motor | M12 5-pin female A-coded - 180° Straight | Communication         |                  | 3                |
| M12 Cab 3m, 5p Fem - 5p Fem twistedPair        |                 | M12 5-pin female A-coded - n/a           |                       | 0.32             | No               |
| WI1005-M12F5TM5T2.0N                           | Connector Motor | M12 5-pin female A-coded - 180° Straight | Communication         |                  | 2                |
| M12 cable 2m, 5 pin female - 5pin male         |                 | M12 5-pin male A-coded - n/a             | Standard              | 0.32             | No               |
| WI1008-M12F5AG1                                | Connector Motor | M12 5-pin female A-coded - 90° Angled    | CANopen/DeviceNet     |                  | 20               |
| M12 Con 5p Fem 90° Spring Ø4-8mm cable         |                 | Open Ended - n/a                         |                       |                  | No               |
| WI1008-M12F5SS1                                | Connector Motor | M12 5-pin female A-coded - 180° Straight | CANopen/DeviceNet n/a |                  | Connector        |
| M12 Con 5p Fem 0° Solder assembly              |                 | - n/a                                    | n/a                   | n/a              | No               |
| WI1008-M12F5TG1                                | Connector Motor | M12 5-pin female A-coded - 180° Straight | CANopen/DeviceNet n/a |                  | Connector        |
| M12 Con 5p Fem 0° Spring Shield+B222           |                 | - n/a                                    | n/a                   | n/a              | No               |
| WI1008-M12F5VG1                                | Connector Motor | M12 5-pin female A-coded - 90° Angled    | CANopen/DeviceNet n/a |                  | Connector        |
| M12 Con 5p Fem 90° Spring Shield               |                 | - n/a                                    | n/a                   | n/a              | No               |
| WI1025-M12F5AF5AM5A                            | Connector Motor | M12 5-pin female A-coded - 90° Angled    |                       | 5                |                  |
| M12 T-Con 2x Fem 5 p + 1x Male 5 p             |                 | M12 5-pin female A-coded - n/a           | Standard              | 0.32             | No               |
| WI1025-M12F5AM5A                               | Connector Motor | M12 5-pin female A-coded - 90° Angled    |                       | 5                |                  |
| M12 Cabinet Feed-through F5p-M5p               |                 | M12 5-pin male A-coded - n/a             | Standard              | 0.32             | No               |
| WI1025-M12F5AM5AF5A                            | Connector Motor | M12 5-pin female A-coded - 90° Angled    |                       | 5                |                  |
| M12 T-Con Fem 5p+ Male 5p + Fem 5p NoSh        |                 | M12 5-pin male A-coded - n/a             | Standard              | 0.32             | No               |
| WI1025-M12F5VM5VF5V                            | Connector Motor | M12 5-pin female A-coded - 90° Angled    |                       | 5                |                  |
| M12 Shl Y-Con 1xMale 5p + 2x Fem 5p CAN        |                 | M12 5-pin male A-coded CAN - n/a         | Standard              | 0.32             | No               |