

Module connections for modules with generation 1 connector to motor.

| No.  | Pin No. | Pin         | Description                                | Color  | Iso. Group | No.   | Pin No. | Pin        | Description                                     | Color  | Iso. Group |
|--|---------|-------------|--|--------|------------|---|---------|------------|---|--------|------------|
| <b>1: MAC00-xxx: Power cable M12 5-pin Male A-code, Eg, WI1000-M12F5TxxN</b>           |         |             |  |        |            | <b>10: MAC00-FP4: Profibus cable M12 5-pin Male/Female D-code, Eg, WI1026-M12F/M5SxxN</b> |         |            |   |        |            |
|  | 1       | P+          | Main supply +12-48VDC.                     | Brown  | 1          |   | 1       | - / 5VDC   | -   |        | 2          |
|  | 2       | P+          | Main supply +12-48VDC.                     | White  | 1          |   | 2       | A-         | Terminal A for the Profibus interface           | Green  | 2          |
|  | 3       | P-          | Main supply ground.                        | Blue   | 1          |   | 3       | DGnd       | Profibus-DP interface ground                    | -      | 2          |
|  | 4       | O+          | Output Supply / Control Voltage            | Black  | 1          |   | 4       | B+         | Terminal B for the Profibus interface           | Red    | 2          |
|  | 5       | P-          | Main supply ground.                        | Grey   | 1          |   | 5       | Shield     | Cable shield. Internally con. to motor housing. | Shield | 2          |
| <b>2: MAC00-B4: IO cable M12 8-pin Male A-code, Eg, WI1000-M12F8TxxN</b>               |         |             |  |        |            | <b>11: MAC00-FS4: COM High Speed cable M12 5-pin Female A-code, Eg, WI1000-M12M5TxxN</b>  |         |            |   |        |            |
|  | 1       | A+          | Multifunction I/O terminal A+              | White  | 1          |   | 1       | -          | Leave open                                      | Brown  | 1          |
|  | 2       | A-          | Multifunction I/O terminal A-              | Brown  | 1          |   | 2       | -          | Leave open                                      | White  | 1          |
|  | 3       | B+          | Multifunction I/O terminal B+              | Green  | 1          |   | 3       | RS485 - A- | RS485 interface Positive terminal.              | Blue   | 2          |
|  | 4       | B-          | Multifunction I/O terminal B-              | Yellow | 1          |   | 4       | RS485 - B+ | RS485 interface Negative terminal.              | Black  | 2          |
|  | 5       | O1          | Digital output 1 - PNP output              | Grey   | 1          |   | 5       | Gnd        | Ground  | Grey   | 2          |
|  | 6       | O2          | Digital output 2 - PNP output              | Pink   | 1          | <b>12: MAC00-FS4, -R4: IO cable M12 8-pin Male A-code, Eg, WI1000-M12F8TxxN</b>           |         |            |   |        |            |
|  | 7       | OCM         | Ground                                     | Blue   | 1          |   | 1       | IN1        | Digital input 1                                 | White  | 3/2        |
|  | 8       | AIN         | Analogue Input                             | Red    | 1          |   | 2       | IN2        | Digital input 1                                 | Brown  | 3/2        |
| <b>3: MAC00-B4: COM cable M12 8-pin Female A-code, Eg, WI1000-M12M8TxxN</b>            |         |             |  |        |            |   | 3       | IN3        | Digital input 1                                 | Green  | 3/2        |
|  | 1       | NC          | Leave open                                 | White  | 1          |   | 4       | IN4        | Digital input 1                                 | Yellow | 3/2        |
|  | 2       | RS232 - TX  | RS232 interface. Transmit terminal         | Brown  | 1          |   | 5       | O1         | Digital output 1 - PNP output                   | Grey   | 3/2        |
|  | 3       | RS232 - RX  | RS232 interface. Receive terminal          | Green  | 1          |   | 6       | O2         | Digital output 1 - PNP output                   | Pink   | 3/2        |
|  | 4       | Gnd         | Ground                                     | Yellow | 1          |   | 7       | O+         | Output supply +5-32VDC. Used for O1-4.          | Blue   | 3/2        |
|  | 5       | RS485 - B+  | RS485 interface.                           | Grey   | 1          |   | 8       | IO-        | I/O ground                                      | Red    | 3/2        |
|  | 6       | RS485 - A-  | RS485 interface.                           | Pink   | 1          | <b>13: MAC00-FS4: COM+IO cable M12 8-pin Female A-code, Eg, WI1000-M12M8TxxN</b>          |         |            |   |        |            |
|  | 7       | NC          | Leave open                                 | Blue   | 1          |   | 1       | AIN1       | Analogue Input 1                                | White  | 1          |
|  | 8       | NC          | Leave open                                 | Red    | 1          |   | 2       | RS232 - TX | RS232 interface - transmit output               | Brown  | 1          |
| <b>4: MAC00-B4, -R4: COM cable M12 5-pin Female A-code, Eg, WI1000-M12M5TxxN</b>       |         |             |  |        |            |   | 3       | RS232 - RX | RS232 interface - receive input                 | Green  | 1          |
|  | 1       | RS232 - RX  | RS232 interface. Receive terminal          | Brown  | 1          |   | 4       | Gnd        | Ground  | Yellow | 1          |
|  | 2       | RS232 - TX  | RS232 interface. Transmit terminal         | White  | 1          |   | 5       | A+         | Multifunction I/O 1 terminal A+                 | Grey   | 1          |
|  | 3       | RS485 - B+  | RS485 interface.                           | Blue   | 1          |   | 6       | A-         | Multifunction I/O 1 terminal A-                 | Pink   | 1          |
|  | 4       | RS485 - A-  | RS485 interface.                           | Black  | 1          |   | 7       | B+         | Multifunction I/O 1 terminal B+                 | Blue   | 1          |
|  | 5       | Gnd         | Ground                                     | Grey   | 1          |   | 8       | B-         | Multifunction I/O 1 terminal B-                 | Red    | 1          |
| <b>8: MAC00-FC4: CAN cable M12 5-pin Male/Female A-code, Eg, WI1006-M12F5/(M5)TxxN</b> |         |             |  |        |            | <b>20: MAC00-R4: IO cable M12 8-pin Male A-code, Eg, WI1000-M12M8TxxN</b>                 |         |            |   |        |            |
|  | 1       | CAN-Shield  | Shield for the CAN interface               | Shield | 2          |   | 1       | IN5        | Digital input 5                                 | White  | 2          |
|  | 2       | CAN-V+ (NC) | Reserved for FD4                           | Red    | 2          |   | 2       | IN6        | Digital input 6                                 | Brown  | 2          |
|  | 3       | CAN-gnd     | CAN interface ground                       | Black  | 2          |   | 3       | IN7        | Digital input 7                                 | Green  | 2          |
|  | 4       | CAN-H       | CAN interface. Positive signal line        | White  | 2          |   | 4       | IN8        | Digital input 8                                 | Yellow | 2          |
|  | 5       | CAN-L       | CAN interface. Negative signal line        | Blue   | 2          |   | 5       | O3         | Digital output 3 - PNP output                   | Grey   | 2          |
| <b>9: MAC00-FC4, -FD4, -FP4: COM+IO, M12 8-pin Female A-code, Eg, WI1000-M12M8TxxN</b> |         |             |  |        |            |   | 6       | O4         | Digital output 4 - PNP output                   | Pink   | 2          |
|  | 1       | IOC         | I/O terminal C.                            | White  | 3          |   | 7       | AIN1       | Output supply +5-32VDC. Used for O1-4.          | Blue   | 1          |
|  | 2       | RS232 - TX  | RS232 interface - transmit output          | Brown  | 1          |   | 8       | Gnd        | Ground AIN1                                     | Red    | 1          |
|  | 3       | RS232 - RX  | RS232 interface - receive input            | Green  | 1          | <b>18: MAC00-B4, -R4: COM cable M12 5-pin Female A-code, Eg, RS232-M12-1-5-5</b>          |         |            |   |        |            |
|  | 4       | Gnd         | Ground                                     | Yellow | 1          |   | 1       | RS232 - RX | RS232 interface. Receive terminal               | Brown  | 1          |
|  | 5       | IOA         | I/O terminal A.                            | Grey   | 3          |   | 2       | RS232 - TX | RS232 interface. Transmit terminal              | White  | 1          |
|  | 6       | IOB         | I/O terminal B.                            | Pink   | 3          |   | 3       | NC         |   |        | 1          |
|  | 7       | IO-         | I/O ground to be used with IOA, -B, -C, -D | Blue   | 3          |   | 4       | NC         |   |        | 1          |
|  | 8       | IOD         | I/O terminal D.                            | Red    | 3          |   | 5       | Gnd        | Ground  | Yellow | 1          |
| <b>18: MAC00-B4, -R4: COM cable M12 5-pin Female A-code, Eg, RS232-M12-1-5-5</b>       |         |             |  |        |            | <b>19: MAC00-B4: COM cable M12 8-pin Female A-code, Eg, RS232-M12-1-5-8</b>               |         |            |   |        |            |
|  | 1       | RS232 - RX  | RS232 interface. Receive terminal          | Brown  | 1          |   | 1       | NC         |   |        | 1          |
|  | 2       | RS232 - TX  | RS232 interface. Transmit terminal         | White  | 1          |   | 2       | RS232 - TX | RS232 interface. Transmit terminal              | Brown  | 1          |
|  | 3       | NC          |  |        | 1          |   | 3       | RS232 - RX | RS232 interface. Receive terminal               | Green  | 1          |
|  | 4       | NC          |  |        | 1          |   | 4       | Gnd        | Ground  | Yellow | 1          |
|  | 5       | Gnd         | Ground                                     | Grey   | 1          |   | 5       | NC         |   |        | 1          |
|  |         |             |  |        |            |   | 6       | NC         |   |        | 1          |
|  |         |             |  |        |            |   | 7       | NC         |   |        | 1          |
|  |         |             |  |        |            |   | 8       | NC         |   |        | 1          |