



(Figure similar)

| Figure | Type                   | Inputs analog              | Outputs analog                      | Input voltage (sensor supply) <sup>(1)</sup> | Output voltage (actuator supply) <sup>(2)</sup> | ASi address <sup>(3)</sup> | Art. no.       |
|--------|------------------------|----------------------------|-------------------------------------|--|---|----------------------------|----------------|
|        | IP65, M12, width 45 mm | 2 x 4 ... 20 mA            | –                                   | out of ASi                                   | –   | 1 AB address               | <b>BWU1893</b> |
|        | IP65, M12, width 45 mm | 2 x 4 ... 20 mA            | –                                   | out of ASi                                   | –   | 1 single address           | <b>BWU1894</b> |
|        | IP65, M12, width 45 mm | 2 x 0 ... 10 V             | –                                   | out of ASi                                   | –   | 1 AB address               | <b>BWU1963</b> |
|        | IP65, M12, width 45 mm | 2 x 0 ... 10 V             | –                                   | out of ASi                                   | –   | 1 single address           | <b>BWU1964</b> |
|        | IP65, M12, width 45 mm | 2 x Pt100                  | –                                   | out of ASi                                   | –   | 1 AB address               | <b>BWU1895</b> |
|        | IP65, M12, width 90 mm | 1 x 4 ... 20 mA/0 ... 10 V | 1 x 0 ... 20 mA/0 ... 10 V          | out of ASi                                   | out of ASi                                      | 2-4 single addresses       | <b>BWU1917</b> |
|        | IP65, M12, width 90 mm | 1 x 4 ... 20 mA/0 ... 10 V | 1 x 0 ... 20 mA/0 ... 10 V          | out of AUX                                   | out of AUX                                      | 2-4 single addresses       | <b>BWU1853</b> |
|        | IP65, M12, width 90 mm | 4 x 4 ... 20 mA            | –                                   | out of ASi or out of AUX, auto switching     | –   | 1 single address           | <b>BWU1359</b> |
|        | IP65, M12, width 90 mm | 4 x 0 ... 10 V             | –                                   | out of ASi or out of AUX, auto switching     | –   | 1 single address           | <b>BWU1360</b> |
|        | IP65, M12, width 90 mm | 4x Pt100, 2/4 wire mode    | –                                   | out of ASi                                   | –   | 1 single address           | <b>BWU1363</b> |
|        | IP65, M12, width 90 mm | 4x Pt100, 2/3 wire mode    | –                                   | out of ASi                                   | –   | 1 single address           | <b>BWU2532</b> |
|        | IP65, M12, width 90 mm | –                          | 4 x 0 ... 20 mA                     | –  | out of AUX                                      | 1 single address           | <b>BWU1722</b> |
|        | IP65, M12, width 90 mm | –                          | 4 x 0 ... 20 mA                     | –  | out of ASi or out of AUX, auto switching        | 1 single address           | <b>BWU1361</b> |
|        | IP65, M12, width 90 mm | –                          | 4 x 0 ... 10 V                      | –  | out of ASi or out of AUX, auto switching        | 1 single address           | <b>BWU1362</b> |
|        | IP65, M12, width 90 mm | –                          | 4 x 0 ... 10 V<br>24 V, 0 V via M12 | –  | out of ASi or out of AUX, auto switching        | 1 single address           | <b>BWU2857</b> |

(1) **Input voltage (sensor supply)**

Inputs are supplied by ASi or by AUX (auxiliary 24 V power). If supplied by ASi, inputs shall not be connected to earth or to external potential.

(2) **Output voltage (actuator supply)**

Outputs are supplied by ASi or by AUX (auxiliary 24 V power). If supplied by ASi, outputs shall not be connected to earth or to external potential.

(3) **ASi address**

AB address (max. 62 AB addresses/ASi network), 2 AB addresses (max. 31 modules with 2 AB addresses), single addresses (max. 31 single addresses/ASi network), mixed use allowed (upon request, ASi nodes are available with specific ASi address profiles).

| Article no.                      | BWU1893  | BWU1894   | BWU1895   | BWU1963   | BWU1964   | BWU1359  | BWU1360    | BWU1363<br>BWU2532 |
|----------------------------------|--|---|---|---|---|--|------------|--------------------|
| <b>General data</b>              |  |   |   |   |   |  |            |                    |
| Device type                      | input  |   |   |   |   |  |            |                    |
| <b>Connection</b>                |  |   |   |   |   |  |            |                    |
| ASi/AUX connection               | profile cable and piercing   |   |   |   |   |  |            |                    |
| Periphery connection             | M12  |   |   |   |   |  |            |                    |
| <b>ASi</b>                       |  |   |   |   |   |  |            |                    |
| Profile                          | S-7.A.9  | S-7.3.D   | S-7.A.9   | S-7.3.D   | S-7.3.E   |  |            |                    |
| Address                          | 1 AB address   | 1 single address                                    | 1 AB address  | 1 single address                                  | 1 single address  |  |            |                    |
| Required Master profile          | ≥ M4   | ≥ M3  | ≥ M4  | ≥ M3  |   |  |            |                    |
| Since ASi specification          | 3.0  | 2.1   | 3.0   | 2.1   |   |  |            |                    |
| Operating voltage                | 30 V <sub>DC</sub> (18 ... 31,6 V)   |   |   |   |   |  |            |                    |
| Max. current consumption         | < 200 mA   |   | < 80 mA   | < 200 mA  |   |  | < 100 mA   | < 80 mA            |
| <b>AUX</b>                       |  |   |   |   |   |  |            |                    |
| Voltage                          | -  |   |   |   |   | 24 V <sub>DC</sub> (18 .. 30 V)                              |            | -                  |
| Max. current consumption         | -  |   |   |   |   | 500 mA   |            | -                  |
| <b>Input</b>                     |  |   |   |   |   |  |            |                    |
| Number                           | 2  |   |   |   | 4   |  |            |                    |
| Resolution                       | normal: 14 Bit,<br>fast: 11 Bit  | 14 Bit  | 11 or 14 Bit  | 16 Bit<br>(1 µA)                                  | 16 Bit<br>(1 mV)  | 16 Bit<br>(0,1 °C)   |            |                    |
| Range of value                   | 4000 ... 20000 dec. /<br>0 ... 27648 dec. <sup>(1)</sup>   | -2000 ...<br>+8500 dec.<br>-12000 ...<br>13000 dec. | 0 ... 10000 dec. /<br>0 ... 27648 dec. <sup>1</sup> | 4000 ...<br>20000 dec.                            | 0 ...<br>10000 dec.   | -2000 ...<br>+8500 dec.                                      |            |                    |
| Internal resistance              | 82 Ω   | -   | 130 kΩ  | 50 Ω  | 100 kΩ  | -  |            |                    |
| Max. input voltage               | -  |   | 25 V  | -   | 25 V  | -  |            |                    |
| Max. input current               | 40 mA  | -   |   |   | 40 mA   | -  |            |                    |
| Power supply                     | out of ASi   |   |   |   | out of ASi or out of AUX  |  | out of ASi |                    |
| Power supply of attached sensors | max. 70 mA   | -   | max. 70 mA  | max. 500 mA out of AUX,<br>max. 100 mA out of ASi |   | -  |            |                    |
| <b>Display</b>                   |  |   |   |   |   |  |            |                    |
| LED PWR (green)                  | on: ASi voltage on<br>flashing: ASi voltage on, but peripheral fault <sup>(2)</sup> or address 0<br>off: no ASi voltage                            |   |   |   |   |  |            |                    |
| LED FLT/FLAUT (red)              | on: no data exchange, ASi address 0 or ASi node offline<br>flashing: peripheral fault <sup>2</sup><br>off: ASi node online                         |   |   |   |   |  |            |                    |
| LED AUX (green)                  | -  |   |   |   |   | on: 24 V <sub>DC</sub> AUX<br>off: no 24 V <sub>DC</sub> AUX |            | -                  |
| LED I1 ...In (yellow)            | state of channel I1, I2<br>on: analog signal within range of value<br>flashing: analog signal outside range of values<br>off: channel switched off |   |   |   | state of channel I1 ... I4<br>on: analog signal within range of value<br>flashing: analog signal outside range of values<br>off: channel switched off |  |            |                    |

| Article no.  | BWU1893                                  | BWU1894 | BWU1895 | BWU1963 | BWU1964 | BWU1359           | BWU1360              | BWU1363<br>BWU2532 |  |
|--|--|---------|---------|---------|---------|-------------------|----------------------|--------------------|--|
| <b>Environment</b>   |  |         |         |         |         |                   |                      |                    |  |
| Applied standards  | EN 61000-6-2<br>EN 61000-6-4<br>EN 60529 |         |         |         |         |                   |                      |                    |  |
| It can be used with a switched AUX cable, which is passively safe up to SIL3/PLe | yes <sup>(3)</sup>                       |         |         |         |         | no <sup>(4)</sup> |                      | yes <sup>(5)</sup> |  |
| Operating altitude   | max. 2000 m                              |         |         |         |         |                   |                      |                    |  |
| Ambient temperature  | 0 °C ... +70 °C                          |         |         |         |         |                   | -20 °C ...<br>+70 °C | 0 °C ...<br>+70 °C |  |
| Storage temperature  | -20 °C ... +85 °C                        |         |         |         |         |                   |                      |                    |  |
| Housing  | plastic, for DIN rail mounting           |         |         |         |         |                   |                      |                    |  |
| Pollution degree   | 2  |         |         |         |         |                   |                      |                    |  |
| Protection category  | IP65                                     |         |         |         |         |                   |                      |                    |  |
| Insulation voltage   | ≥ 500 V                                  |         |         |         |         |                   |                      |                    |  |
| Dimensions<br>(W / H / D in mm)  | 45 / 80 / 45                             |         |         |         |         | 90 / 80 / 45      |                      |                    |  |

(1) Siemens format

(2) see table „Peripheral fault indication“

(3) The module is suitable for use in passively safe paths as it has no connection to an AUX potential.

(4) The module is not suitable for use in paths with a passively safe-switched AUX cable, since an exclusion of errors cannot be assumed for the connection of the two ASi and AUX potentials.

If the module is supplied from an unswitched AUX cable, this has no influence on the safety consideration for the paths with passively safe-switched AUX cable. In an ASi circuit, paths supplied from a passively safe-switched AUX cable and paths supplied from unswitched AUX potential can be used together.

(5) The module is suitable for use in passively safe paths as it has no connection to an AUX potential.

| Article no.              | BWU1853                             | BWU1917 | BWU1361 | BWU1362                          | BWU2857  | BWU1722 |
|--------------------------|-------------------------------------|---------|---------|----------------------------------|----------|---------|
| <b>General data</b>      |                                     |         |         |                                  |          |         |
| Device type              | input/output                        |         |         | output                           |          |         |
| <b>Connection</b>        |                                     |         |         |                                  |          |         |
| ASi/AUX connection       | profile cable and piercing          |         |         |                                  |          |         |
| Periphery connection     | M12                                 |         |         |                                  |          |         |
| <b>ASi</b>               |                                     |         |         |                                  |          |         |
| Profile                  | S-6.0.x                             |         |         | S-7.3.6                          |          |         |
| Address                  | 2-4 single addresses                |         |         | 1 single address                 |          |         |
| Required Master profile  | ≥ M4                                |         |         | ≥ M3                             |          |         |
| Since ASi specification  | 3.0                                 |         |         | 2.1                              |          |         |
| Operating voltage        | 30 V <sub>DC</sub> (18 ... 31,6 V)  |         |         |                                  |          |         |
| Max. current consumption | < 200 mA                            |         |         |                                  | < 100 mA |         |
| <b>AUX</b>               |                                     |         |         |                                  |          |         |
| Voltage                  | 24 V <sub>DC</sub><br>(18 ... 30 V) | -       |         | 24 V <sub>DC</sub> (18 ... 30 V) |          |         |
| Max. current consumption | 1 A                                 | -       |         | 500 mA                           |          |         |

| Article no.                      | BWU1853   | BWU1917  | BWU1361   | BWU1362             | BWU2857 | BWU1722             |
|----------------------------------|---|--|---|---------------------|---------|---------------------|
| <b>Input</b>                     |   |  |   |                     |         |                     |
| Number                           | 1   |  | –   |                     |         |                     |
| Resolution                       | 16 Bit (1 $\mu$ A) or 16 Bit (1 mV)   |  | –   |                     |         |                     |
| Range of value                   | 4000 ... 20000 dec. /<br>0 ... 10000 dec.   |  | –   |                     |         |                     |
| Internal resistance              | 4 ... 20 mA: 50 $\Omega$<br>0 ... 10 V: 100 k $\Omega$  |  | –   |                     |         |                     |
| Max. input voltage               | 25 V  |  | –   |                     |         |                     |
| Max. input current               | 40 mA   |  | –   |                     |         |                     |
| Power supply                     | out of AUX  | out of ASi   | –   |                     |         |                     |
| Power supply of attached sensors | $\Sigma$ (sensors and actuators)<br>max. 1 A  | $\Sigma$ (sensors and actuators)<br>max. 200 mA  | –   |                     |         |                     |
| <b>Output</b>                    |   |  |   |                     |         |                     |
| Number                           | 1   |  | 4   |                     |         |                     |
| Resolution                       | 16 Bit (1 $\mu$ A) or 16 Bit (1 mV)   |  | 16 Bit (1 $\mu$ A)                                      | 16 Bit (1 mV)       |         | 16 Bit (1 $\mu$ A)  |
| Range of value                   | 0 ... 20000 dec. / 0 ... 10000 dec.   |  | 0 ... 20000 dec.  | 0 ... 10000 dec.    |         | 0 ... 20000 dec.    |
| Actuator resistance              | 0 ... 20 mA: max. 600 $\Omega$<br>0 ... 10 V: min. 3,3 k $\Omega$   |  | max. 600 $\Omega$                                       | min. 3,3 k $\Omega$ |         | max. 600 $\Omega$   |
| Max. output voltage              | 11,5 V  |  | –   | 11,5 V              |         | –                   |
| Max. output current              | 23 mA   |  | –   | –                   |         | 23 mA               |
| Power supply                     | out of AUX  | out of ASi   | out of ASi or out of AUX                                |                     |         | out of AUX          |
| Power supply of attached actors  | $\Sigma$ (sensors and actuators)<br>max. 1 A  | $\Sigma$ (sensors and actuators)<br>max. 200 mA  | max. 500 mA<br>out of AUX,<br>max. 100 mA<br>out of ASi |                     |         | $\Sigma$ max. 1,1 A |
| <b>Display</b>                   |   |  |   |                     |         |                     |
| LED PWR (green)                  | on: ASi voltage on<br>flashing: ASi voltage on, but peripheral fault <sup>(1)</sup> or address 0<br>off: no ASi voltage     |  |   |                     |         |                     |
| LED FLT/FLAUT (red)              | on: no data exchange, ASi address 0 or ASi node offline<br>flashing: peripheral fault <sup>1</sup><br>off: ASi node online  |  |   |                     |         |                     |
| LED AUX (green)                  | an: 24 V <sub>DC</sub> AUX<br>aus: keine 24 V <sub>DC</sub> AUX   |  |   |                     |         |                     |
| LED O1 ...On (yellow)            | –   | state of channel O1 ... O4<br>on: analog signal within range of value<br>flashing: analog signal outside range of values |   |                     |         |                     |
| LED InI, InU (yellow)            | state of channel InI or InU<br>on: analog signal within range of value<br>flashing: analog signal outside range of values   |  | –   |                     |         |                     |
| LED OutI, OutU (yellow)          | state of channel OutI or OutU<br>on: analog signal within range of value<br>flashing: analog signal outside range of values |  | –   |                     |         |                     |

| Article no.  | BWU1853                                  | BWU1917            | BWU1361           | BWU1362 | BWU2857 | BWU1722 |
|--|--|--------------------|-------------------|---------|---------|---------|
| <b>Environment</b>   |  |                    |                   |         |         |         |
| Applied standards  | EN 61000-6-2<br>EN 61000-6-4<br>EN 60529 |                    |                   |         |         |         |
| It can be used with a switched AUX cable, which is passively safe up to SIL3/PLe | no <sup>(2)</sup>                        | yes <sup>(3)</sup> | no <sup>(4)</sup> |         |         |         |
| Operating altitude   | max. 2000 m                              |                    |                   |         |         |         |
| Ambient temperature  | 0 °C ... +70 °C                          |                    |                   |         |         |         |
| Storage temperature  | -20 °C ... +85 °C                        |                    |                   |         |         |         |
| Housing  | plastic, for DIN rail mounting           |                    |                   |         |         |         |
| Pollution degree   | 2  |                    |                   |         |         |         |
| Protection category  | IP65                                     |                    |                   |         |         |         |
| Insulation voltage   | ≥ 500 V                                  |                    |                   |         |         |         |
| Dimensions<br>(W / H / D in mm)  | 90 / 80 / 45                             |                    |                   |         |         |         |

(1) see table „Peripheral fault indication“

(2) The module is not suitable for use in paths with a passively safe-switched AUX cable, since an exclusion of errors cannot be assumed for the connection of the two ASi and AUX potentials.

If the module is supplied from an unswitched AUX cable, this has no influence on the safety consideration for the paths with passively safe-switched AUX cable. In an ASi circuit, paths supplied from a passively safe-switched AUX cable and paths supplied from unswitched AUX potential can be used together.

(3) The module is suitable for use in passively safe paths as it has no connection to an AUX potential.

(4) The module is not suitable for use in paths with a passively safe-switched AUX cable, since an exclusion of errors cannot be assumed for the connection of the two ASi and AUX potentials.

If the module is supplied from an unswitched AUX cable, this has no influence on the safety consideration for the paths with passively safe-switched AUX cable. In an ASi circuit, paths supplied from a passively safe-switched AUX cable and paths supplied from unswitched AUX potential can be used together.

| <b>UL-specifications (UL508)</b>  |   |
|---|---|
| <b>BWU1359, BWU1360, BWU1361, BWU1362, BWU1363, BWU1722, BWU1853, BWU1917, BWU2532, BWU2857</b> |   |
| External protection   | An isolated source with a secondary open circuit voltage of $\leq 30 V_{DC}$ with a 3 A maximum over current protection. Over current protection is not required when a Class 2 source is employed. |
| In general  | UL mark does not provide UL certification for any functional safety rating or aspects of the above devices.   |

| Article no. | Peripheral fault indication          |  |
|-------------|--------------------------------------|--|
|             | analog signal outside range of value | at least 1 parameterized channel not connected |
| BWU1359     | •                                    | •  |
| BWU1360     | •                                    | •  |
| BWU1361     | •                                    | •  |
| BWU1362     | •                                    | •  |
| BWU1363     | •                                    | •  |
| BWU1722     | •                                    | •  |
| BWU1853     | •                                    | •  |
| BWU1917     | •                                    | •  |
| BWU2532     | •                                    | •  |
| BWU2857     | •                                    | •  |

## Programming

| Bit               | Bit setting  |  |  |   |
|-------------------|--|--|--|---|
|                   | input  |  |  |   |
|                   | P3   | P2   | P1   | P0  |
| BWU1893           | –  | 1: normal<br>0: fast                             | 1: 4000 ... 20000 dec.<br>0: 0 ... 27648 dec. <sup>(1)</sup> | 1: Peripheral fault is indicated<br>0: Peripheral fault is not indicated                        |
| BWU1894           | 1: channel 2 on<br>0: channel 2 off                                      |  |  |   |
| BWU1895           | –  | 1: -200 °C ... +850 °C<br>0: -120 °C ... +130 °C | 1: 2 wire-mode<br>0: 4 wire-mode                             |   |
| BWU1963 / BWU1964 |  | 1: normal<br>0: fast                             | 1: 0 ... 10000 dec.<br>0: 0 ... 27648 dec. <sup>1</sup>      |   |
| BWU1359           | 1: Peripheral fault is indicated<br>0: Peripheral fault is not indicated | –  | –  | 1: Bridge between Pin 3 and 4 active<br>0: Bridge between Pin 3 and 4 not active <sup>(2)</sup> |
| BWU1360           |  |  |  | – <sup>2</sup>  |
| BWU1363           | 1: 2 wire-mode<br>0: 4 wire-mode   |  |  | 1: 50 Hz filter in A/D converter active<br>0: 60 Hz filter in A/D converter active <sup>2</sup> |
| BWU2532           | 1: 2 wire-mode<br>0: 3 wire-mode   |  |  |   |

(1) Siemens format

(2) For peripheral fault setting see the table "Bit combinations P1 and P2"

| Bit combinations P1 and P2                       |    |    |     |     |     |
|--|----|----|-----|-----|-----|
| BWU1359, BWU1360, BWU1363, BWU2532               |    |    |     |     |     |
| Peripheral fault can be released through channel |    |    |     |     |     |
| P1   | P2 | 1  | 2   | 3   | 4   |
| 0  | 0  | on | off | off | off |
| 0  | 1  | on | on  | off | off |
| 1  | 0  | on | on  | on  | off |
| 1  | 1  | on | on  | on  | on  |


## Programming

| Bit                                    | Bit setting   |   |   |   |
|--|---|---|---|---|
|  | Input / Output  |   |   |   |
|  | Parameter (first address)   |   |   |   |
| Bit                                    | P3  | P2  | P1  | P0  |
| BWU1853 / BWU1917                      | <b>If P0= 0</b><br>1: InI active<br>0: InU active, otherwise not used | 1: Peripheral fault is indicated<br>0: Peripheral fault is not indicated  | <b>If P0= 0</b><br>1: OutI active<br>0: OutU active, otherwise not used   | 1: Automatic switching between current and voltage<br>0: Current / voltage specified by P1 and P3 |
|  | Parameter (second address)  |   |   |   |
|  | 1: Pin 3 and Pin 4 bridged<br>0: Pin 3 and Pin 4 not bridged          | 1: 10 V = 10000 dec., 20 mA = 20000 dec.<br>0: 10 V = 27648 dec. <sup>(1)</sup> , 20 mA = 27648 dec. <sup>1</sup> | <b>Transformation speed InI, InU</b><br>11: fastest: 1 ms/8 Bit<br>01: medium speed/precise: 5 ms/12 Bit<br>10: highest precision: 20 ms/16 Bit<br>00: not used |   |
| Output                                 |   |   |   |   |
| BWU1361 / BWU1362<br>BWU1722 / BWU2857 | not used  | 1: Peripheral fault is indicated<br>0: Peripheral fault is not indicated  | not used  |   |

(1) Siemens format

| Programming notes                           |         |  |                               |          |         |        |
|---|---------|--|-------------------------------|----------|---------|--------|
| Article no.                                 | ID-Code | ID1-Code   |                               | ID2-Code | IO-Code |        |
| BWU1893, BWU1895, BWU1963 <sup>(1)</sup>    | A       | Code definition  |                               | 9        | 7       |        |
|   |         | ID1  | 14 Bit                        |          |         | 11 Bit |
|   |         | Channel 1  | 0; 2; 3                       |          |         | 1      |
|   |         | Channel 1 and 2  | 4; 5; 7 (Default value ID1=7) | 6        |         |        |
| BWU1853, BWU1917                            | 0       | <ul style="list-style-type: none"> <li>the ID code 1 can be written for all ASi nodes, but only the ASi node with the lowest address defines the code for the remaining ASi nodes.</li> <li>ID1 is the same code for all ASi nodes.</li> <li>the code ID2 for all ASi nodes (different for each according to his profile) is specified by the code ID1.</li> </ul> |                               | X        | 6       |        |
|   |         | <b>number of connected ASi nodes</b><br>ID1= A: 2 ASi nodes corresponding to 8 Bit<br>ID1= B: 3 ASi nodes corresponding to 12 Bit<br>else: 4 ASi nodes corresponding to 16 Bit   |                               |          |         |        |
| BWU1894, BWU1964                            | 3       | (Default value ID1=F)  |                               | D        | 7       |        |
| BWU1359, BWU1363, BWU2532, BWU2049, BWU1360 | 3       | (Default value ID1=F)  |                               | E        | 7       |        |
| BWU1361, BWU1362, BWU1722, BWU2857          | 3       | (Default value ID1=F)  |                               | 6        | 7       |        |

(1) BWU1893, BWU1895, BWU1963 can transfer either 11 or 14 Bit values.  
Via ID1 the data capacity and the channel number can be defined.

| M12 Connections: |  |                    |            |                    |         |                    |         |          |   |
|------------------|--|--------------------|------------|--------------------|---------|--------------------|---------|----------|---|
| Pin              | BWU1359<br>BWU1360<br>BWU1893<br>BWU1894<br>BWU1963<br>BWU1964 | BWU1853<br>BWU1917 |            | BWU1895<br>BWU1363 | BWU2532 | BWU1361<br>BWU1362 | BWU2857 | BWU1722  |  |
|                  |  | InI, InU           | OutI, OutU |                    |         |                    |         |          |   |
| 1                | 24 V   | 24 V               | Sig+       | CH+                | CH+     | Sig+               | Sig+    | Sig+     |   |
| 2                | Sig+   | Sig+               | n.c.       | CHS+               | CHS-    | n.c.               | 24 V    | 24 V     |   |
| 3                | 0 V  | 0 V                | Sig-       | CH-                | CH-     | Sig-               | Sig-    | Sig-/0 V |   |
| 4                | Sig-   | Sig-               | n.c.       | CHS-               | (1)     | n.c.               | 0 V     | n.c.     |   |
| 5                | Shield   | Shield             | Shield     | Shield             | Shield  | Shield             | Shield  | Shield   |   |

(1) Pin 4 bridged internally to Pin 3

### Accessories:

- ASi substructure module to connect 2 ASi profile cables (article no. BW1180)
- ASi substructure module to connect 1 ASi profile cable, 1 profile cable for additional supply (article no. BW1181)
- ASi substructure module to connect 2 ASi round cable (article no. BW1182)
- ASi substructure module to connect 1 ASi round cable, 1 round cable for additional supply (article no. BW1183)
- ASi substructure module to connect 2 ASi profile cables with addressing socket (article no. BW1438)
- ASi-5/ASi-3 Address Programming Device (art. no. BW4708)