**General Data**

**Type Reference:** ASI_BZ, ASI_BZL5

**Description:** AS-Interface-Slave

**Approvals:** ASI, cCSAus

**Note**

**Communication**
- **AS-Interface Specification:** V2.11
- **Slave profile:** S-B.A.E
- **Connection:** via 2-pole IDC connector (3.96mm), type ref. “ASI_SB2AWG18”
- **Connection cable:** double-core flexible wire, AWG18, e.g. “ASI_SL2AWG18”
- **Max. network length:** 100m (without repeater)
- **Max. cycle time:** < 10ms (62 A/B slaves)

**Ambient Conditions**
- **Operating temperature:** -25°C … +70°C
- **Storage temperature:** -40°C … +80°C
- **Humidity:** up to 95%, non-condensing

**Mechanical Data**
- **Operating travel:** <= 3mm
- **Operating cycles:** >= 1 million

**Electrical Data**
- **Power supply:** 26.5…31.6 V, through the AS-Interface line
- **Total power consumption:** <= 30 mA
- **Signalling unit - output:** supply through AS-Interface line, continuously short-circuit proof, overload protection, 20 mA via D0/D1 individually controllable/dimmable in 4 steps
- **Rated voltage:** 24 V DC [+10%]
- **Socket:** T5,5k, L5,5k24U...
- **Norms and Standards:** CE, IEC 62026-2, cCSAus

The Schlegel ASi slaves comply with the specification AS-Interface POWER24 and can also be operated at 24 V.

*) only ASI_BZL5
## Contact Blocks

### 2-pole connector (3.96 mm spacing)

<table>
<thead>
<tr>
<th>Illustration</th>
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</table>
| ![Image](image1.png) | **AS-Interface Slave**  
**bus-compatible (2 I/2O)**  
2-pole connector (3.96 mm spacing)  
- unlighted  
- small mounting depth due to built-in IDC connector  
- with 2 integrated inputs D2/D3  
- profile: S-B.A.E  
- applicable standard: V2.11  
- reversely compatible to type ASI_BZII5 (female connector not included) | ASI_BZ |
| ![Image](image2.png) | **AS-Interface Slave with T5,5K socket (bus-compatible 2 I/2O)**  
2-pole connector (3.96 mm spacing)  
- illuminated, LED socket T5,5K  
- small mounting depth due to built-in IDC connector  
- with 2 integrated inputs D2/D3  
- with 1 integrated LED output, individually controllable/dimmable (4 steps) via D0/D1  
- profile: S-B.A.E  
- applicable standard: V2.11  
- reversely compatible to type ASI_BZII5 (socket not included) | ASI_BZL5 |
| ![Image](image3.png) | **Ultra-bright LED, T5,5K socket, 24V**  
with integrated series resistor and half-wave rectifier, for 24 V AC/DC (7/14 mA)  
When connecting to DC, the correct polarity must be observed:  
+ ... X1/- ... X2  
storage temperature:  
-25°C ... +80°C  
ambient temperature:  
-20°C ... +60°C  
voltage tolerance:  
+ 10%  
colour: white | L5,5K24UW |
| ![Image](image4.png) | **IDC Connector**  
2 poles, for AWG18, to connect the AS-Interface slaves by insulation piercing (IDC technology);  
with lock mechanism and strain relief  
Technical data:  
- connector spacing 3.96 mm  
- wire size: AWG18 (0.8...1.0 mm²)  
- outside dia.: 1.0...2.28 mm  
Recommendation: optimal strain relief when used with „ASI_K2” | ASI_SB2AWG18 |
## Contact Blocks

2-pole connector (3.96 mm spacing)

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<tr>
<td><img src="image1.png" alt="Image" /></td>
<td>Cover with integrated strain relief for 2-pole IDC connector</td>
<td>ASI_K2</td>
</tr>
<tr>
<td><img src="image2.png" alt="Image" /></td>
<td>Hand Tool serves to press the single conductors into the IDC connector, connector spacing 3.96 mm</td>
<td>ASI_MRT</td>
</tr>
<tr>
<td><img src="image3.png" alt="Image" /></td>
<td>AS-Interface Addressing Cable serves to address the slaves ASI_BZ, ASI_BZL5 with a commercial AS-Interface hand addressing device.</td>
<td>ASI_PK500M12</td>
</tr>
<tr>
<td><img src="image4.png" alt="Image" /></td>
<td>Flexible Equipment Wire suitable for insulation piercing (IDC technology), serves to connect the AS-Interface slaves, twisted 2-core cable, brown/blue; 50 m per unit</td>
<td>ASI_SL2AWG18</td>
</tr>
<tr>
<td><img src="image5.png" alt="Image" /></td>
<td>Flat Cable Branch with M12 socket without mounting straps, allows connection of a cable with M12 connector to the yellow profile line;</td>
<td>ASI_AZM12</td>
</tr>
<tr>
<td><img src="image6.png" alt="Image" /></td>
<td>Flat Cable Branch with M12 socket and mounting straps, allows the connection of a cable with M12 connector to the yellow profile line;</td>
<td>ASI_AZM12L</td>
</tr>
</tbody>
</table>

**Technical data:**

- **AS-Interface Addressing Cable ASI_PK500M12**
  - PVC cable 500 mm, 2 x 0.75 mm²
  - M12 straightline plug

- **Flexible Equipment Wire ASI_SL2AWG18**
  - AWG18
  - 19 wires
  - conductor resistance 21 Ohm/km
  - style no. 1007 / TR4
  - operating temperature max. 80/90 °C (UL/CSA)
  - storage temperature down to -55 °C
  - acid/alkali-proof and oil-resistant
  - flame-resistant
  - keeps its elasticity under heat and cold

- **Flat Cable Branch with M12 socket ASI_AZM12**
  - 2 A max.
  - IP20

- **Flat Cable Branch with M12 socket ASI_AZM12L**
  - 2 A max.
  - IP20
## Contact Blocks

**2-pole connector (3.96 mm spacing)**

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<td><img src="image1" alt="Image" /></td>
<td><strong>M12 Straight-line Plug</strong>&lt;br&gt;with plastic nut, self-assembly via screw connections, serves to connect the AS-Interface flexible equipment wire to a M12 connector&lt;br&gt;Technical data:&lt;br&gt;· 4 A max.&lt;br&gt;· 4 poles&lt;br&gt;· PG7</td>
<td><strong>ASI_M12</strong></td>
</tr>
<tr>
<td><img src="image2" alt="Image" /></td>
<td><strong>M12 Right-angle Plug</strong>&lt;br&gt;with plastic nut, self-assembly via screw connections, serves to connect the AS-Interface flexible equipment wire to a M12 connector.&lt;br&gt;Technical data:&lt;br&gt;· 4 A max.&lt;br&gt;· 4 poles&lt;br&gt;· PG7</td>
<td><strong>ASI_M12W</strong></td>
</tr>
<tr>
<td><img src="image3" alt="Image" /></td>
<td><strong>Flat Cable Branch</strong>&lt;br&gt;self-assembly via screw connections, with mounting straps, serves to connect the AS-Interface flexible equipment wire to the yellow profile line.&lt;br&gt;Technical data:&lt;br&gt;· 2 poles&lt;br&gt;· 4 A max.</td>
<td><strong>ASI_AZL</strong></td>
</tr>
<tr>
<td><img src="image4" alt="Image" /></td>
<td><strong>Flat Cable Branch</strong>&lt;br&gt;self-assembly via screw connections, without mounting straps, serves to connect the AS-Interface flexible equipment wire to the yellow profile line.&lt;br&gt;Technical data:&lt;br&gt;· 2 poles&lt;br&gt;· 4 A max.</td>
<td><strong>ASI_AZ</strong></td>
</tr>
</tbody>
</table>
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Limit Switches

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