





#### 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 \*1): supply through AS-Interface line, continuously short-circuit proof, overload protection

Max. load current of LED: 20 mA Luminous intensity: via D0/D1 individually controllable/dimmable in 4 steps  
 Rated voltage: 24 V DC (+10%)  
 Socket: T5,5kLED, Schlegel ref.: 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

Illustration

Description

Type



**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)



suitable pushbuttons and switches



ASI\_BZ



**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\_BZIII5 (socket not included)
- Lamp socket T5,5K



suitable pushbuttons and switches



ASI\_BZL5



**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

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Emergency-Stop Buttons

Bus Technology

RTD

Enclosures

Pedal Switches

Terminal Blocks

Type Index

Illustration	Description	Type
	<p><b>IDC connector</b> 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 mm<sup>2</sup>) · outside dia.: 1.0...2.28 mm Recommendation: optimal strain relief when used with „ASI_K2“</p>	<p>ASI_SB2AWG18</p>
	<p><b>Cover with integrated strain relief</b> for 2-pole IDC connector</p>	<p>ASI_K2</p>
	<p><b>Hand tool</b> serves to press the single conductors into the IDC connector, connector spacing 3.96 mm</p>	<p>ASI_MRT</p>
	<p><b>AS-Interface addressing cable</b> serves to address the slaves ASI_BZ, ASI_BZL5 with a commercial AS-Interface hand addressing device Technical data: · PVC cable 500 mm, 2 x 0.75 mm<sup>2</sup> · M12 straight-line plug</p>	<p>ASI_PK500M12</p>
	<p><b>Flexible equipment wire</b> suitable for insulation piercing (IDC technology), serves to connect the AS-Interface slaves, twisted 2-core cable, brown/blue; 50 m per unit Technical data: · 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</p>	<p>ASI_SL2AWG18</p>

# AS-Interface contact blocks

MADE IN GERMANY



AS-Interface

Illustration

Description

Type



### Flat cable branch with M12 socket

without fastening lugs, to connect a cable with M12 connector to the yellow profile cable

Technical data:

- 2 A max.
- IP20

ASI\_AZM12



### Flat cable branch with M12 socket with fastening lugs

to connect a cable with M12 connector to the yellow profile cable

Technical data:

- max. 2 A
- IP20

ASI\_AZM12L



### M12 straight-line plug

with plastic nut, self-assembly via screw connections, serves to connect the AS-Interface flexible equipment wire to a M12 connector

Technical data:

- 4 A max.
- 4 poles
- PG7

ASI\_M12



### M12 right-angle plug

with plastic nut, self-assembly via screw connections, serves to connect the AS-Interface flexible equipment wire to a M12 connector

Technical data:

- 4 A max.
- 4 poles
- PG7

ASI\_M12W



### Flat cable branch with fastening lugs

self-assembly via screw connections, to connect the AS-Interface strand to the yellow profile cable

Technical data:

- 2-pole
- max. 4 A

ASI\_AZL

About Us

Bushings/Switches

Panel Mount Jacks

Emergency-Stop Buttons

Bus Technology

RFD

Enclosures

Pedal Switches

Terminal Blocks

Type Index

Illustration	Description	Type
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**Flat cable branch**

self-assembly via screw connections, without fastening lugs, to connect the AS-Interface flexible equipment wire to the yellow profile cable

Technical data:

- 2 poles
- 4 A max.

ASI\_AZ

