

24 V to 30 V ASi Power Supply in Stainless Steel 2 A

24 V DC to 30 V ASi Output Voltage

PELV

LED operation indicator

ASi data decoupling

62 Watt

Insertable Combicon connectors



(figure similar)

Article No. BW1760

The ASi Power Supply in Stainless Steel supplies the ASi system voltage for the supply of masters, sensors, actuators and modules.

The power supply provides an output current of 2 A.

| Article no. | BW1760 |
|---|--|
| Input | |
| Operating voltage U_e | 24 V DC |
| Input voltage range U_e | 20 .. 32 V DC |
| Fuse | T 6,3 A built-in |
| Short circuit protected | yes |
| Overload protected | yes |
| Output | |
| Output voltage (ASi) | 29,5 V .. 31,6 V DC according PELV |
| Output current | 2 A (3 A up to 30°C) |
| Remaining ripple | < 50 mV |
| Efficiency | 88% |
| Hold-up-time | > 10 ms |
| Pre-fuse | > 10 A |
| Display | |
| LED green | power on (at frontside) |
| LED red | overload error |
| Connection | |
| Input/Output | insertable Combicon connectors up to 2,5 mm ² |
| Environment | |
| Applied standards | EN 60529 EN 62026-2, EN 61000-6-2, EN 61000-6-4 |
| Ambient operating temperature | 0°C .. +55°C |
| Storage temperature | -25°C .. +85°C |
| Housing | stainless steel |
| Required mounting distance (left/right) | 30 mm |
| Required mounting distance (over/under) | 30 mm |
| Protection category | IP20 |
| Dimensions (L, W, H) | 120 / 55 / 83 |
| Mounting position | vertical |

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|--|---|
| Derating 3 A | Connections |
| <p>The graph shows the current derating curve for the power supply. The y-axis represents current I in Amperes [A], ranging from 0 to 3. The x-axis represents temperature T in degrees Celsius [°C], with marked values at 10, 30, and 55. The current is constant at 3 A from 10°C to 30°C. Between 30°C and 55°C, the current decreases linearly from 3 A to 2 A. Above 55°C, the current drops to 0 A.</p> | <p>The connection diagram shows a terminal block with two sections. The left section is labeled 'AS-i' and has two terminals marked '+' and '-'. The right section is labeled '24 V' and has two terminals marked '+' and '-'. A ground symbol is shown below the 24 V terminals. The terminal block is mounted on a stainless steel enclosure, with a ground connection point shown below the enclosure.</p> |