

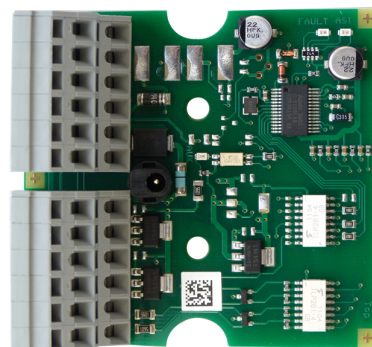
ASi OEM-Module for building services engineering

ASi OEM-Module

ASi Specification 3

AB address (up to 62 addresses)

In- and outputs supplied by ext. 24V



The ASi 4I/3O Module, which meets the requirements of ASi Specification 3 is the board based solution for an ASi participant with 4 inputs and 3 outputs.

The inputs and outputs are powered out of separated 24V. They are short circuit and overload protected and can each be loaded

with up to 500mA (outputs). If bus communication is interrupted (master failure), the outputs are switched to their currentless switching state by the watchdog. Connection by spring-type terminals.

| | |
|--|--|
| Article no. | BW2128 |
| Connection | |
| Connection | cage clamp terminals |
| Length of connector cable | I/O: max. 15 m |
| ASi | |
| Profile | S-7.A.E |
| voltage | 20 ... 30V DC |
| Operating voltage | via ASi |
| Operating current | ≤ 70mA |
| Quiescent current (Input = 0, Output = 0) | ≤ 20mA |
| Input | |
| Number | 4 (electronic) |
| Output | |
| Number | 3 (electronic) |
| Capacity | 500mA per output from 24V supply |
| Display | |
| LED ASi (green) | LED on: voltage at the ASi clamp LED flashing: error, e.g. ASi participant on address 0 (default setting) or peripheral fault |
| LED FLT/FAULT (red) | LED on: ASi communication error LED flashing: ASi peripheral fault, e.g. no 24V or short circuit at an output, fuse |
| LED AUX (green) | LED on: 24V available LED off: absence 24V |
| Environment | |
| Applied standards | EN 61 000-6-2 EN 61 000-6-4 |
| Operating temperature | -25°C ... +70°C |
| Storage temperature | -40°C ... +70°C |
| Protection category DIN EN 60 529 | IP00 |
| Maximum tolerable shock and vibration stress | ≤ 15 g, T ≤ 11 ms 10 ... 55 Hz, 0,5 mm amplitude |
| Dimensions (W / H / D in mm) | 68 / 70 / 32 |
| Weight | 40 g |

| Terminal connections | | | | | | | | | | | | | | | |
|----------------------|---|------------|---|-----------------|------------|-----------------|------------------------|----|-----------------------|------|--------------------------------------|----|-----------------------|----|--------------------------|
| Terminal A | | Terminal B | | Conne- ction | Terminal A | Conne- ction | Terminal B | | | | | | | | |
| 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 1 | + 24 V | 13 | + 24 V _{ext in} |
| 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 2 | I1 | 14 | + 24 V _{ext in} |
| Terminal A | | Terminal B | | ADDR | | 3 | + 24 V | 15 | 0 V _{ext in} | 4 | I2 | 16 | 0 V _{ext in} | | |
| | | | | | | 5 | 0 V _{ext out} | 17 | ASi + | 6 | O1 | 18 | ASi + | | |
| | | | | | | 7 | 0 V _{ext out} | 19 | ASi - | 7 | 0 V _{ext out} | 20 | ASi - | | |
| | | | | | | 8 | O2 | 21 | + 24 V | 8 | O2 | 22 | I3 | | |
| | | | | | | 9 | 0 V _{ext out} | 23 | + 24 V | 9 | 0 V _{ext out} | 24 | I4 | | |
| | | | | | | 10 | O3 | | | 11 | n.c. | | | | |
| | | | | | | 11 | n.c. | | | 12 | n.c. | | | | |
| | | | | | | 12 | n.c. | | | ADDR | connection for ASi addressing device | | | | |

| Double-deck terminal block, 2 x 4/5/6/7 poles (pitch 5 mm) | |
|--|---|
| General | |
| Nominal cross section | 2.5 mm ² |
| Conductor cross section | |
| Conductor cross section solid | 0.8 ... 2.5 mm ² |
| Conductor cross section flexible | 0.8 ... 2.5 mm ² |
| Conductor cross section flexible, with ferrule | without plastic sleeve: 0.25 ... 2.5 mm ² with plastic sleeve: 0.25 ... 1.5 mm ² |
| 2 conductors with same cross section, stranded, with TWIN ferrules | – |
| AWG | 28 ... 12 |
| Stripped insulation length | 6 mm |

| Programming | Bit setting | | | |
|-------------|---------------|---------------------------------------|--|----------------------------|
| | D3 | D2 | D1 | D0 |
| | Input | | | |
| | I4 | I3 | I2 | I1 |
| | Output | | | |
| | – | O3 | O2 | O1 |
| | Parameter bit | | | |
| | P3 | P2 | P1 | P0 |
| | not used | 0 = On/1 = Off (synchronous I/O mode) | 0 = On/1 = Off (data input filter 128µs) | 0 = Off/1 = On (watch-dog) |

| Programming notes: | |
|--------------------|-------------|
| IO-Code | 7 |
| ID-Code | A |
| ID1-Code | 7 (default) |
| ID2-Code | E |