

# Cylindrical AS-i Actuator 1I/3O

## AS-i I/O Module in Stainless Steel Sleeve

Simple networking of standard actuators with high protection class via AS-i

1I/3O

Mounting via reduction adapters into PG or metrical fittings

Additional 24 V



### Article no. BWU1647: AB slave (up to 62 slaves)

The cylindrical AS-i Actuator enables a simple networking of standard actuators with high protection class via AS-i. The slave is a 1I/3O Module inside a M18 stainless steel sleeve. It can be mounted via reduction adapters in PG or metrical fittings.

This allows a rugged and quick mounting. It is connected to the AS-i line and the additional 24 V via M12 round connector. Two LEDs display power and AS-i communication errors. An AS-i peripheral fault is not indicated.

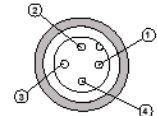
Article no.	BWU1647
Quiescent current (inputs = 1, outputs = 0)	≤ 20 mA
Switching threshold of inputs	≤ 0,5 mA (low) ≥ 0,8 mA (high)
External voltage supply U	18 ... 30 V DC (PELV)
Outputs	3 pnp outputs
Loading capacity	20 mA per output
Operating voltage	via AS-i
Operating current	< 30 mA
Voltage of insulation	≥ 500 V
EMC directions	EN 50 081-2, EN 50 082-2
Ambient operating temperature	0°C ... +70°C
Storage temperature	-25°C ... +70°C
Protection category EN 60 529	IP67 (mounted)
LED (green/red)	power/AS-i diagnostics
Allowable shock and vibration stress	≤ 15 g, T ≤ 11 ms 10 ... 55 Hz, 0,5 mm amplitude
Dimensions sleeve	M18x1, length 55 mm
Length of cable	approx. 20 cm
AS-i Connection	M12x1 round connector

#### Cable:

- red: U+
- black: U-
- yellow: A1
- orange: A2
- brown: A3
- green: E1

#### M12 round connector:

- Pin 1: AS-i +
- Pin 2: U-
- Pin 3: AS-i -
- Pin 4: U+



#### Programming (Bit-setting)

- AS-i Data bits**
- |     |           |
|-----|-----------|
| Bit | Function  |
| D0  | output A1 |
| D1  | output A2 |
| D2  | output A3 |
| D3  | input E1  |

#### Parameter bit

- |     |          |
|-----|----------|
| Bit | Function |
| P0  | not used |
| P1  | not used |
| P2  | not used |
| P3  | not used |

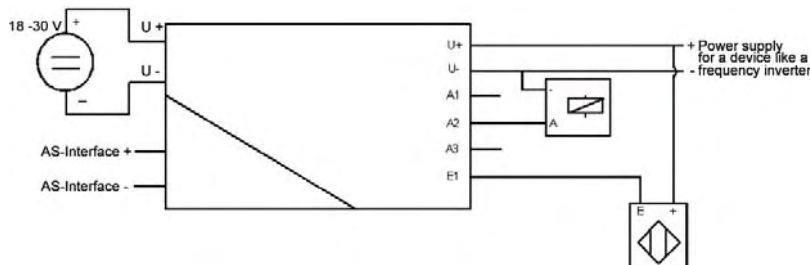
#### Programming:

Address preset 00  
changeable via bus master or  
programming device

BW1647

- |          |   |
|----------|---|
| IO Code  | 9 |
| ID Code  | A |
| ID2 Code | E |

#### Connection:



U+, U- not short circuit protected (max. 1 A)

**Accessories:** Reduction sleeve M25/M18x1 (Art. no. BW1282)  
Reduction sleeve PG16/M18x1 (Art. no. BW1241)