

## Datasheet - BWU3565

AS interface safety at work / Safety switchgear / Safe input module / AS-i safety distributors



- Safe active AS-i distributor
- Suitable for AZM 400
- Connections for profile cable AS-i & AUX
- With 2 fail-safe inputs for OSSDs and one digital output that is not fail-safe
- M12, 8-pole connecting cable 1 m
- Protection type IP67

(Minor differences between the printed image and the original product may exist!)

### Ordering details

Product type description	BWU3565
Article number	103016677
EAN Code	
eCl@ss	27-27-24-02

### Approval

Approval




### Classification

Standards	EN ISO 13849-1, EN 62061
PL	e
Control category	4
PFH value	$5.18 \times 10^{-9} / h$
PFD value	$6.19 \times 10^{-7}$
SIL	Suitable for SIL 3 applications
Mission time	20 Years

### Global Properties

Permanent light	BWU3565
Standards	EN 62026-2, EN ISO 13849-1, EN 62061

Compliance with the Directives (Y/N) 	Yes
Suitable for safety functions (Y/N)	Yes
Materials	
- Material of the housings	Plastic
- Material of the cable	PUR
Weight	100
Response time	< 11

## Mechanical data

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Design of electrical connection	Cable connector M12, 8-pole, A-coded
Cable length	1.0
Resistance to shock	15 / 11
Resistance to vibration	10 ... 55 HZ, Amplitude 0,5 mm

## Ambient conditions

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Ambient temperature	
- Min. environmental temperature	-20
- Max. environmental temperature	+60
Storage and transport temperature	
- Min. Storage and transport temperature	-30
- Max. Storage and transport temperature	+85
Protection class	IP67

## Electrical data - AS interface

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AS-i Supply voltage	21.6 ... 31.6 VDC
AS-i operating current	≤ 60
AS-i Specification	Safety Slave
- version	V2.1
- Profile	S-7BF1
AS-i Inputs	
- Channel 1	Data bits DI 0/DI 1= dynamic code transmission
- Channel 2	Data bits DI 2/DI 3= dynamic code transmission
AS-i Outputs	
- DO 0	Digital output, Motor control system
- DO 1 ... DO 3	not used
AS-i Parameter bits	
- P0	Control system watchdog
- P1	Diagnostics signal safety switchgear (Inverted)
- P2 ... P3	not used
- Min. supply voltage	
- Max. supply voltage	
AS-i input module address	0
- Default on address 0, programmable via the AS-Interface Master or Hand-held programming device	
notice-Parameter request	Set the parameter outputs to "1111" (0xF)
AUX Supply voltage	24 VDC
AUX Operating current	750

## LED switching conditions display

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LED switching conditions display (Y/N)	Yes
LED status indication	

(1) green/red LED (AS-i duo LED)

Supply voltage / Communication error / slave address = 0 / periphery error detected

(2) green LED

AUX-Power available

(3) yellow LED

S1 = Status Safety input 1

(4) yellow LED

S2 = Status Safety input 2

(5) yellow LED

I1 = Status Input I1

(6) yellow LED

O1 = Status Output O1

## Dimensions

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Dimensions

- Width	60
- Height	45
- Depth	19

## Documents

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**Datasheet** (en) 488 kB, 13.11.2017

Code: d\_bwup01\_en

**Datasheet** (de) 454 kB, 13.11.2017

Code: d\_bwup01\_de

**Operating instructions and Declaration of conformity** (en, de) 1 MB, 13.11.2017

Code: mrl\_bwu3565\_de-en

**Mounting and wiring instructions** (de, en, fr, it, es) 3 MB, 13.11.2017

Code: m\_bwup01

## Images

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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