

AS-i Safety Monitor

Emergency stop control device

2 release circuits

Meets safety-relevant standards up to category 4/SIL 3



(Figure similar)

The AS-i Safety Monitor allows the connection of Safety at Work slaves for safety-relevant tasks.

During intended connection the AS-i Safety Monitor permits the use of sensor-steered safety devices and further safety parts up to category 4 by EN 954-1.

Likewise the prescribed emergency stop function can be taken over by the AS-i Safety Monitor for all not hand-guided machines and furthermore the dynamic monitoring of the restart and the contactor control function.

Further the use of extensive logic components is made available. Also the grouping of AS-i slaves (e.g. to the partial disconnection of machines) is possible.

Article no.	BW1764	BW1765
Connection		
Connections	screw terminals	
General data		
Start delay	< 10 s	
Respond delay	< 40 ms	
Safety Monitor	advanced monitor	
Release circuits	1-channel	2-channel
Electrical data		
Interface	RS 232	
Baud rate	9 600 Baud, no parity, 1 start bit, 1 stop bit, 8 data bits	
Operating voltage	24V DC (26,5 ... 31,6V out of AS-i)	
Operating current	approx. 150mA out of 24V DC approx. 45mA out of AS-i	approx. 200mA out of 24V DC approx. 45mA out of AS-i
Button	1 (Service)	
Display		
LED green	contacts of the safety outputs (OSSD) are: out: open lighting: closed flashing: delay time is running at stop category 1	
LED yellow	lighting: start lock/restart lock active flashing: external test necessary	
LED red	contacts of the safety outputs (OSSD) are: lighting: open / flashing: error	
LED green (POWER)	AS-i voltage OK	
LED red (AS-i)	communication error	

Article no.	BW1764	BW1765
Environment		
Operating temperature	-20°C ... +60°C	
Storage temperature	-30°C ... +70°C	
Housing	DIN-rail mounting	
Protection category	housing IP20	
Standards	EN 62026-2 EN 60 947-5-1 IEC61508 (bis SIL 3) IEC 61 496-1, EN 60204-1 EN 1088 EN ISO 13850 EN ISO13849-1	
Weight	360 g	450 g
Dimensions (L, W, H)	105 / 45 / 120	

Accessories:

- Programming software ASIMON with cable (article no. BW1770)
- Interface cable for connection of the Safety Monitor to the PC (article no. BW1771)
- Interface cable for connection of 2 Safety Monitors (article no. BW1772)