AS-I Safety Monitors

ASI-SM-1 BW1764
ASI-SM-2 BW1765

- **AS-I Safety-at-Work**
- **1 or 2 Safety Circuits**
- **Emergency Stop System over AS-I**
- **Fast Diagnosis of E-Stops**

Electrical

- Operating Current: ~45 mA from AS-I
- ~150 mA (BW1764), ~200 mA (BW1765) from separate power
- Response Delay: <40 ms

Mechanical

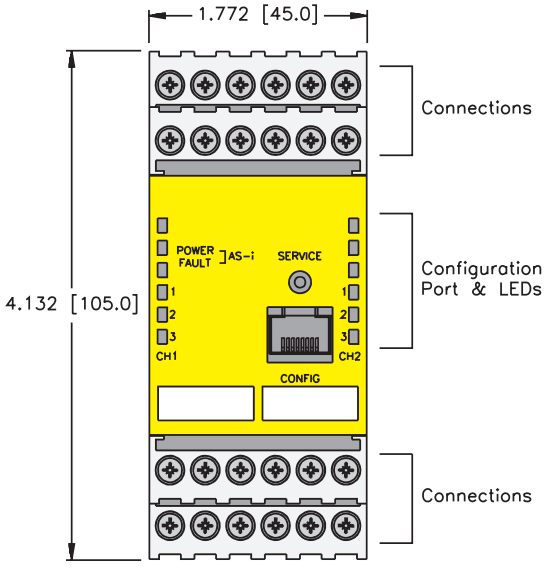
- Operating Temperature: -20 to +60°C (+32 to +131°F)
- Protection: IP 20

Diagnostics (Logical)

- E-stop fault information is transmitted via the AS-I master

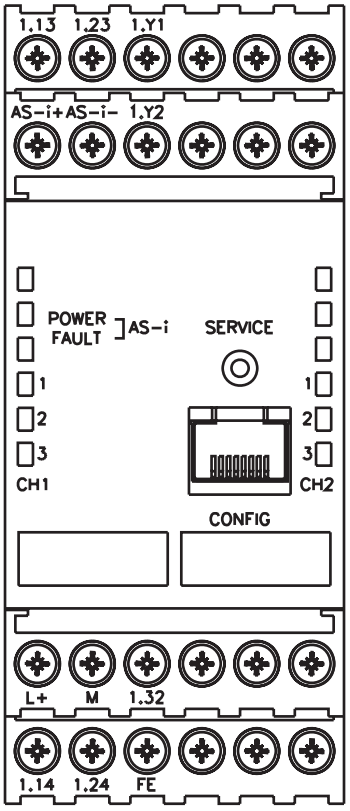
Diagnostics (Physical)

- LEDs to indicate status of AS-I communication and e-stop system



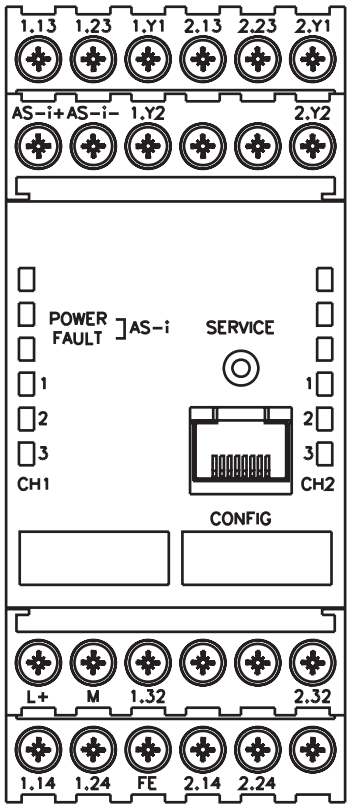
Part Number	Number of Safety Circuits	Connection Diagram	Configuration Port
ASI-SM-1 BW1764	1	A	X
ASI-SM-2 BW1765	2	B	X

A



L+ = +24 VDC
M = Ref. Gnd
FE = Earth Gnd
1.Y1 = EDM 1
1.Y2 = Start 1
1.13/1.14 = Output 1
1.23/1.24 = Output 2
1.32 = Indicator Output

B



L+ = +24 VDC
M = Ref. Gnd
FE = Earth Gnd
1.Y1 = EDM 1
1.Y2 = Start 1
1.13/1.14 = Output 1 (Circuit 1)
1.23/1.24 = Output 2 (Circuit 1)
1.32 = Indicator Output (Circuit 1)
2.Y1 = EDM 2
2.Y2 = Start 2
2.13/2.14 = Output 1 (Circuit 2)
2.23/2.24 = Output 2 (Circuit 2)
2.32 = Indicator Output (Circuit 2)

Note: AS-I safety monitors are programmed via the ASIMON BW1770 software (sold separately).

OEM AS-I Safety Slaves

ASI-IOM-E0202A-PCB-ES BW1896
ASI-IOM-E0202A-PCB-ES BW1751
ASI-IOM-E0202A-PCB-ES BW1801

CE

- **PC-board Slaves**
- **AS-I Safety-at-Work**
- **Emergency Stop System Over AS-I**
- **Ideal for Push Button Stations**

Electrical

- Operating Current: <80 mA from AS-I
- Output Current: <100 mA per output from aux. power

Power Distribution

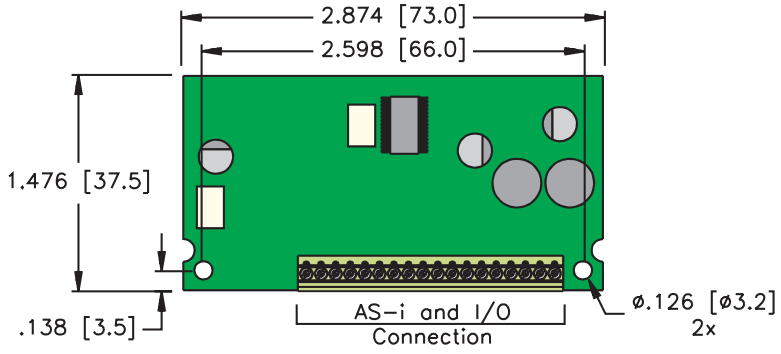
- Inputs: AS-I supply
- Outputs: Auxiliary supply

Mechanical

- Operating Temperature: 0 to +70°C (+32 to +158°F)
- Vibration: 15 g @ 10 to 55 Hz

Diagnostics (Logical)

- AS-I safety information can be accessed from the safety monitor



Part Number	Input Count	Output Count	Output Current (sum of all	I/O Power Source	LEDs	Connector	A/B Address	Addresses Consumed	Slave Profile	Drawing	Pinout
ASI-IOM-E0202A-PCB-ES BW1896	2	2	100 mA	AS-i/Aux		REM	N	1	7.B-0	S	K
ASI-IOM-E0202A-PCB-ES BW1751	2	2	100 mA	AS-i/Aux		SCR	N	1	7.B-0	S	K
ASI-IOM-E0202A-PCB-ES BW1801	2	2	100 mA	AS-i/Aux		PIN	N	1	7.B-0	S	K

Note: REM=Pull-out COMBICON style connection; SCR=Screw Terminal connection; PIN=Edge Pin connection

K