

## Safety Basic Monitor

### 2 (4) local electronical safe outputs

### Up to 8 / 4 local safe inputs

- optionally the safe inputs will be used as well as standard inputs and signal outputs

### Safe AS-i outputs are supported

- max. 8 independent AS-i outputs  
multiple safe AS-i outputs possible via a single address



### Chip card for storage of configuration data

### Protection category IP20

ASMM-1M-IO-SS

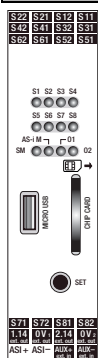


<b>Article no.</b>	<b>ASMM-1M-IO-SS</b>	
<b>Connection</b>		
Connection	COMBICON clamp	
<b>Safety Monitor</b>		
Respond delay	< 40ms	
<b>AS-i Master</b>		
AS-i Master	integrated	
<b>Interface</b>		
Interface	USB, chip card slot	
<b>AS-i</b>		
AS-i voltage	18 ... 31,6V	
Max. AS-i current consumption	200 mA	
<b>AUX</b>		
AUX voltage	20 ... 30V (PELV)	
Max. AUX current consumption	4A max.	
<b>Input</b>		
Supply voltage inputs	of AUX (24V auxiliary power)	
Network connection between the safe input terminals	max. resistance 150Ω	
<b>Output</b>		
8 / 4 safe inputs cat. 4 or 8 standard in -and outputs	switching current statical 4mA at 24V, dynamic 30mA at 24V (T=100μs)	
2 (4) output switching elements	semiconductor outputs (output circuits 1 and 2) max. contact load: 700mA DC-13 at 24V	
Supply voltage outputs	of AUX (24V auxiliary power)	
Max. output current signal outputs	10mA each output	
Max. output current for OSSD supply	1,4A (S71)	
Test pulse	when output is switched on minimal distance between 2 test pulses: 250ms, pulse length to 1ms	
<b>Display</b>		
4x LEDs S1, S2, S3, S4 (yellow)	state of input S1, S2, S3 and S4	
4x LEDs S5, S6, S7, S8 (yellow)	state of input S5, S6, S7 and S8	
LED SM (green/yellow/red)	state of Safety Monitor	
LED AS-i M (green/yellow/red)	state of AS-i Master	
LED O1 (green/yellow/red)	output 1 has switched	
LED O2 (green/yellow/red)	output 2 has switched	

<b>Article no.</b>	<b>ASMM-1M-IO-SS</b>
1 button	service
<b>Environment</b>	
Applied standards	EN 954-1 Kat 4 EN 61 508:2001 EN 62 061:2005 EN ISO 13 849-1:2008
Housing	DIN-rail mounting
Operating temperature	0°C ... +55°C
Storage temperature	-25°C ... +85°C
Protection class DIN 60 529	IP20
Voltage of insulation AS-i/AUX	500V
Dimensions (W / H / D in mm)	22,5 / 99 / 114

<b>Article no.</b>	<b>ASMM-1M-IO-SS</b>
<b>AS-i Safety Monitor</b>	
Safety Monitor	Safety Basic Monitor, enhanced
Optimized to AS-i Monitor operations	no
Release circuits	8, additional 8 release circuits (9 - 16) for actuating standard AS-i outputs
Antivalent switches for local inputs	yes
Standstill monitors of local inputs	yes
<b>Electrical data</b>	
Power supply decoupling unit	integrated

**ASMM-1M-IO-SS**



Clamps	Description
S22, S21, S12, S11	safety input terminal input 1
S42, S41, S32, S31	safety input terminal input 2
S62, S61, S52, S51	safety input terminal input 3
S71, S72, S81, S82	safety input terminal input 4
1.14 <sub>ext.out</sub>	semiconductor output 1
2.14 <sub>ext.out</sub>	semiconductor output 2
0 V <sub>ext.out</sub>	mass connection for semiconductor output
AS-i+, AS-i-	connection to the AS-i Bus
	Micro USB
AUX+ <sub>ext.in</sub> , AUX- <sub>ext.in</sub>	power supply input