

### Power supply EX-MSG-30

The Exme power supply MSG can be used in hazardous areas Zone 1 and 2. The intrinsically safe supply circuits US1 and US2 are isolated from voltage supply (24V DC) safety-relevant electrically and ground-free. All Exi-devices whose approved maximum values agree with the MSG can be connected to the MSG. Due to the integrated Exe-space the MSG provides the opportunity of simple wiring in the hazardous area. Maximum values of current and voltage can be pre-configured by the manufacturer, hence the MSG can be used for many applications as a power supply.

<b>Ex-classification in accordance with ATEX 95, directive 94/9/EG:</b>	
Type of protection:	II 2 G, EEx em [ib] IIC T4
Approval:	BVS 03 ATEX E 180
Degree of protection:	IP54
<b>Housing:</b>	
Material:	Aluminum diecasting
Dimensions in mm:	122 x 122 x 80 (length x width x height)
Weight:	app. 1,5 kg
Connection 24 V supply	Metrical cable gland M16
Connection output voltage	Metrical cable gland M16
<b>Ambient conditions:</b>	
Temperature range during operation:	0 °C to + 50 °C
Temperature range storage:	-20 °C to + 60 °C
Humidity:	max. 85% non-condensating (48h endurance test)
<b>Power Supply:</b>	
Voltage:	24 V DC +/- 20%
Drawing of current:	max. 0,6A constant current , 2A max.
<b>Output voltages:</b>	
2 supply circuits:	current- / voltage values to be configured at the factory

<b>US max</b>	<b>PA max</b>	<b>I max</b>	<b>CA max</b>
5,2V	1,1W	211mA	78,8µF
5,2V	1,2W	230mA	78,8µF
5,2V	1,3W	250mA	78,8µF
6V	1,1W	183mA	39,8µF
6V	1,2W	200mA	39,8µF
6V	1,3W	216mA	39,8µF
7V	1,1W	157mA	15,5µF
7V	1,2W	171mA	15,5µF
7V	1,3W	185mA	15,5µF
8V	1,1W	137mA	8,2µF
8V	1,2W	150mA	8,2µF
8V	1,3W	162mA	8,2µF
9V	1,1W	122mA	4,7µF
9V	1,2W	133mA	4,7µF
9V	1,3W	144mA	4,7µF
12V	1,2W	100mA	1,39µF
12V	2,0W	166mA	1,39µF
12V	2,5W	208mA	1,39µF
12V	4,0W	333mA	200 nF
12V	6,0W	500mA	200 nF
12,5V	6,3W	500mA	200nF
13V	1,2W	92mA	988nF
13V	2,0W	154mA	988nF
13V	2,5W	192mA	988nF
13V	4,0W	307mA	200nF
13V	6,5W	500mA	200nF