

## Data sheet

### SM 222 (222-1DB00)

#### Technical data

<b>Order no.</b>	<b>222-1DB00</b>
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Type	SM 222
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#### General information

Note	-
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Features	2 outputs AC 100...240 V Output current 2 A Software dimmer for resistive, inductive or capacitive load Frequency range 47...63 Hz
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#### Current consumption/power loss

Current consumption from backplane bus	190 mA
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Power loss	6 W
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#### Technical data digital outputs

Number of outputs	2
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Cable length, shielded	1000 m
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Cable length, unshielded	600 m
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Rated load voltage	AC 100...240 V
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Current consumption from load voltage L+ (without load)	15 mA
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Total current per group, horizontal configuration, 40°C	4 A
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Total current per group, horizontal configuration, 60°C	3 A
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Total current per group, vertical configuration	4 A
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Output current at signal "1", rated value	2 A
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Output delay of "0" to "1"	max. 1 AC cycle
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Output delay of "1" to "0"	max. 1 AC cycle
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Minimum load current	-
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Lamp load	460 W
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Parallel switching of outputs for redundant control of a load	not possible
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Parallel switching of outputs for increased power	not possible
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Actuation of digital input	-
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Switching frequency with resistive load	-
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Switching frequency with inductive load	-
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Switching frequency on lamp load	-
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Internal limitation of inductive shut-off voltage	-
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Short-circuit protection of output	yes, electronic
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Trigger level	4 A
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Number of operating cycle of relay outputs	-
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Switching capacity of contacts	-
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Output data size	4 Byte
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#### Status information, alarms, diagnostics


Status display	none
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Interrupts	no
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Process alarm	no
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Diagnostic interrupt	yes, parameterizable
Diagnostic functions	no
Diagnostics information read-out	possible
Supply voltage display	green LED per group
Group error display	red SF LED
Channel error display	none

### Isolation

Between channels	-
Between channels of groups to	-
Between channels and backplane bus	
Insulation tested with	DC 4000 V

### Datasizes

Input bytes	0
Output bytes	4
Parameter bytes	17
Diagnostic bytes	10

### Housing

Material	PPE / PA 6.6
Mounting	Profile rail 35 mm

### Mechanical data

Dimensions (WxHxD)	25.4 mm x 76 mm x 88 mm
Weight	70 g

### Environmental conditions

Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C

### Certifications

UL508 certification	-
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