

## Data sheet

### SM 222 (222-1DB00)

#### Technical data

|   |  |
|---|--|
| <b>Order no.</b>  | <b>222-1DB00</b>   |
| Type  | SM 222   |
| <b>General information</b>                                    |  |
| Note  | -  |
| Features  | 2 outputs<br>AC 100...240 V<br>Output current 2 A<br>Software dimmer for resistive, inductive or capacitive load<br>Frequency range 47...63 Hz |
| <b>Current consumption/power loss</b>                         |  |
| Current consumption from backplane bus                        | 190 mA   |
| Power loss  | 6 W  |
| <b>Technical data digital outputs</b>                         |  |
| Number of outputs   | 2  |
| Cable length, shielded  | 1000 m   |
| Cable length, unshielded                                      | 600 m  |
| Rated load voltage  | AC 100...240 V   |
| Current consumption from load voltage L+ (without load)       | 15 mA  |
| Total current per group, horizontal configuration, 40°C       | 4 A  |
| Total current per group, horizontal configuration, 60°C       | 3 A  |
| Total current per group, vertical configuration               | 4 A  |
| Output current at signal "1", rated value                     | 2 A  |
| Output delay of "0" to "1"                                    | max. 1 AC cycle  |
| Output delay of "1" to "0"                                    | max. 1 AC cycle  |
| Minimum load current  | -  |
| Lamp load   | 460 W  |
| Parallel switching of outputs for redundant control of a load | not possible   |
| Parallel switching of outputs for increased power             | not possible   |
| Actuation of digital input                                    | -  |
| Switching frequency with resistive load                       | -  |
| Switching frequency with inductive load                       | -  |
| Switching frequency on lamp load                              | -  |
| Internal limitation of inductive shut-off voltage             | -  |
| Short-circuit protection of output                            | yes, electronic  |
| Trigger level   | 4 A  |
| Number of operating cycle of relay outputs                    | -  |
| Switching capacity of contacts                                | -  |
| Output data size  | 4 Byte   |
| <b>Status information, alarms, diagnostics</b>                |  |
| Status display  | none   |
| Interrupts  | no   |
| Process alarm   | no   |

|                                  |                      |
|----------------------------------|----------------------|
| 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 | yes       |
| 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

|                  |   |
|------------------|---|
| UL certification | - |
| KC certification | - |