

Data sheet
SM 222 (222-1FF00)
Technical data

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|---|---|
| Order no. | 222-1FF00 |
| Type | SM 222 |
| General information | |
| Note | - |
| Features | 8x DO DC 400 V AC 230 V 0.5 A Solid-state relay |
| Current consumption/power loss | |
| Current consumption from backplane bus | 150 mA |
| Power loss | 1.5 W |
| Technical data digital outputs | |
| Number of outputs | 8 |
| Cable length, shielded | 1000 m |
| Cable length, unshielded | 600 m |
| Rated load voltage | AC 230 V |
| Current consumption from load voltage L+ (without load) | - |
| Total current per group, horizontal configuration, 40°C | 4 A |
| Total current per group, horizontal configuration, 60°C | 4 A |
| Total current per group, vertical configuration | 4 A |
| Output current at signal "1", rated value | 0.5 A |
| Output delay of "0" to "1" | 10 ms |
| Output delay of "1" to "0" | 3 ms |
| Minimum load current | - |
| Lamp load | - |
| 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 | max. 0.5 Hz |
| Switching frequency with inductive load | - |
| Switching frequency on lamp load | - |
| Internal limitation of inductive shut-off voltage | - |
| Short-circuit protection of output | - |
| Trigger level | - |
| Number of operating cycle of relay outputs | - |
| Switching capacity of contacts | - |
| Output data size | 1 Byte |
| Status information, alarms, diagnostics | |
| Status display | green LED per channel |
| Interrupts | no |
| Process alarm | no |

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|----------------------------------|------|
| Diagnostic interrupt | no |
| Diagnostic functions | no |
| Diagnostics information read-out | none |
| Supply voltage display | none |
| Group error display | none |
| Channel error display | none |

Isolation

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| Between channels | - |
| Between channels of groups to | - |
| Between channels and backplane bus | yes |
| Insulation tested with | DC 500 V |

Datasizes

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| Input bytes | 0 |
| Output bytes | 1 |
| Parameter bytes | 0 |
| Diagnostic bytes | 0 |

Housing

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| Material | PPE / PA 6.6 |
| Mounting | Profile rail 35 mm |

Mechanical data

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|------------------------------|-------------------------|
| Dimensions (WxHxD) | 25.4 mm x 76 mm x 88 mm |
| Net weight | 100 g |
| Weight including accessories | - |
| Gross weight | - |

Environmental conditions

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

Certifications

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