

Data sheet
SM 222 (222-1HD10)
Technical data

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| Order no. | 222-1HD10 |
| Type | SM 222 |
| General information | |
| Note | - |
| Features | 4x DO DC 30 V AC 230 V 5 A Isolated per channel Relay |
| Current consumption/power loss | |
| Current consumption from backplane bus | 160 mA |
| Power loss | 2 W |
| Technical data digital outputs | |
| Number of outputs | 4 |
| 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 | 5 A |
| Total current per group, horizontal configuration, 60°C | 5 A |
| Total current per group, vertical configuration | 5 A |
| Output current at signal "1", rated value | 5 A |
| Output delay of "0" to "1" | 10 ms |
| Output delay of "1" to "0" | 5 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. 0.33 Hz |
| Switching frequency with inductive load | max. 0.33 Hz |
| Switching frequency on lamp load | max. 0.33 Hz |
| Internal limitation of inductive shut-off voltage | - |
| Short-circuit protection of output | - |
| Trigger level | - |
| Number of operating cycle of relay outputs | 10 ⁷ |
| Switching capacity of contacts | 5 A |
| Output data size | 1 Byte |
| Status information, alarms, diagnostics | |
| Status display | green LED per channel |
| Interrupts | no |
| Process alarm | no |
| Diagnostic interrupt | no |

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| 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 | yes |
| Between channels of groups to | 1 |
| 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 | - |