

Data sheet

SM 021 (021-1BB00)

Technical data

| Order no. | 021-1BB00 |
|--|-----------------------|
| Туре | SM 021 |
| Module ID | 0001 9F82 |
| General information | |
| Note | |
| Features | 2x DI DC 24 V |
| Current consumption/power loss | |
| Current consumption from backplane bus | 65 mA |
| Power loss | 0.5 W |
| Technical data digital inputs | |
| Number of inputs | 2 |
| Cable length, shielded | 1000 m |
| Cable length, unshielded | 600 m |
| Rated load voltage | - |
| Current consumption from load voltage L+ (without load) | - |
| Rated value | DC 20.428.8 V |
| Input voltage for signal "0" | DC 05 V |
| Input voltage for signal "1" | DC 1528.8 V |
| Input voltage hysteresis | - |
| Signal logic input | Sinking input |
| Frequency range | - |
| Input resistance | - |
| Input capacitance | - |
| Input current for signal "1" | 3 mA |
| Connection of Two-Wire-BEROs possible | yes |
| Max. permissible BERO quiescent current | 0.5 mA |
| Input delay of "0" to "1" | 3 ms |
| Input delay of "1" to "0" | 3 ms |
| Number of simultaneously utilizable inputs horizontal configuration | 2 |
| Number of simultaneously utilizable inputs vertical configuration | 2 |
| Input characteristic curve | IEC 61131-2, type 1 |
| Initial data size | 2 Bit |
| Status information, alarms, diagnostics | |
| Status display | green LED per channel |
| Interrupts | no |
| Process alarm | no |
| Diagnostic interrupt | no |
| Diagnostic functions | no |
| Diagnostics information read-out | none |
| Module state | green LED |

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| Channel error display none Isolation - Between channels - Between channels of groups to - Between channels and backplane bus yes Insulation tested with DC 500 V Safety - Safety protocol - Safety requirements - Secure user address - Watchdog - Two channels - Test pulse outputs - Datasizes - Input bytes 1 Output bytes 0 Parameter bytes 0 Diagnosite bytes 0 Housing Pre/ PPE GP10 Mounting Pre/ PPE GP10 Mounting Pre/ PPE GP10 Mounting 72 g Dimensions (WAtkD) 12.9 mm x 109 mm x 76.5 mm Net weight 57 g Weight including accessories 57 g Gross weight 72 g Environmental conditions - Operating temperature 0 °C to 60 °C Storage temperature -25 °C to 70 °C Certifications yes | Module error display | red LED |
|--|------------------------------------|--------------------|
| Between channels - Between channels of groups to - Between channels and backplane bus yes Insulation tested with DC 500 V Safety - Safety protocol - Safety requirements - Secure user address - Watchdog - Two channels - Test pulse outputs - Datasizes - Input bytes 0 Duput bytes 0 Diagnostic bytes 0 Housing Profile rail 35 mm Material PPE / PPE GF10 Mounting Profile rail 35 mm Mechanical data Dimensions (WxHxD) Dimensions (WxHxD) 12.9 mm x 109 mm x 76.5 mm Net weight 57 g Gross weight 72 g Environmental conditions O "C to 60 "C Storage temperature -25 "C to 70 "C Certifications yes | Channel error display | none |
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| | Certifications | |
| KC certification yes | UL certification | yes |
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