

Data sheet
SM 321 (321-1BL00)
Technical data

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|---|-----------------------|
| Order no. | 321-1BL00 |
| Type | SM 321 |
| General information | |
| Note | - |
| Features | 32 inputs |
| SPEED-Bus | - |
| Current consumption/power loss | |
| Current consumption from backplane bus | 35 mA |
| Power loss | 6.5 W |
| Technical data digital inputs | |
| Number of inputs | 32 |
| Cable length, shielded | 1000 m |
| Cable length, unshielded | 600 m |
| Rated load voltage | - |
| Current consumption from load voltage L+ (without load) | - |
| Rated value | DC 20.4...28.8 V |
| Input voltage for signal "0" | DC 0...5 V |
| Input voltage for signal "1" | DC 15...28.8 V |
| Input voltage hysteresis | - |
| Frequency range | - |
| Input resistance | - |
| Input current for signal "1" | 7 mA |
| Connection of Two-Wire-BEROs possible | yes |
| Max. permissible BERO quiescent current | 1.5 mA |
| Input delay of "0" to "1" | 3 ms |
| Input delay of "1" to "0" | 3 ms |
| Number of simultaneously utilizable inputs horizontal configuration | 32 |
| Number of simultaneously utilizable inputs vertical configuration | 32 |
| Input characteristic curve | IEC 61131-2, type 1 |
| Initial data size | 4 Byte |
| 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 |
| Supply voltage display | none |
| Group error display | none |

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| Channel error display | none |
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Isolation

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| Between channels | - |
| Between channels of groups to | 16 |
| Between channels and backplane bus | yes |
| Insulation tested with | DC 500 V |

Datasizes

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| Input bytes | 4 |
| Output bytes | 0 |
| Parameter bytes | 0 |
| Diagnostic bytes | 0 |

Housing

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| Material | PPE |
| Mounting | Rail System 300 |

Mechanical data

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|------------------------------|-------------------------|
| Dimensions (WxHxD) | 40 mm x 125 mm x 120 mm |
| Net weight | 240 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 | yes |