

Data sheet

SM 321 (321-1FH00)

Technical data

| Order no. | 321-1FH00 |
|---|---|
| Туре | SM 321 |
| General information | |
| Note | - |
| Features | 16x DI, in groups of 4 AC 120/230 V For 20 pole front connector |
| SPEED-Bus | - |
| Current consumption/power loss | |
| Current consumption from backplane bus | 35 mA |
| Power loss | 5 W |
| Technical data digital inputs | |
| Number of inputs | 16 |
| Cable length, shielded | 1000 m |
| Cable length, unshielded | 600 m |
| Rated load voltage | AC 120/230 V |
| Current consumption from load voltage L+ (without load) | - |
| Rated value | AC 120/230 V |
| Input voltage for signal "0" | AC 040 V |
| Input voltage for signal "1" | AC 79264 V |
| Input voltage hysteresis | - |
| Signal logic input | Sinking input |
| Frequency range | 4763 Hz |
| 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" | 25 ms |
| Input delay of "1" to "0" | 25 ms |
| Number of simultaneously utilizable inputs horizontal configuration | 16 |
| Number of simultaneously utilizable inputs vertical configuration | 16 |
| Input characteristic curve | - |
| Initial data size | 2 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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| HousingMaterialPPEMountingRail System 300Mechanical dataVDimensions (WxHxD)40 mm x 125 mm x 120 mmNet weight240 gWeight including accessories-Gross weight-Environmental conditions0 °C to 60 °CStorage temperature0 °C to 70 °CCertificationsyes | Channel error display | none |
|--|------------------------------------|-------------------------|
| Between channels of groups to 4 Between channels and backplane bus yes Insulation tested with DC 4000 V Datasizes 2 Input bytes 0 Qutput bytes 0 Parameter bytes 0 Diagnostic bytes 0 Housing V Material PPE Mounting Rail System 300 Mechanical data V Dimensions (WxHxD) 40 mm x 125 mm x 120 mm Net weight 240 g Weight including accessories - Gross weight - Environmental conditions 0 °C to 60 °C Storage temperature 0 °C to 60 °C Storage temperature 125 °C to 70 °C Certifications yes | Isolation | |
| Between channels and backplane bus yes Insulation tested with DC 4000 V Datasizes Input bytes 2 Output bytes 0 Parameter bytes 0 Diagnostic bytes 0 Housing V Material PPE Mounting Rail System 300 Mechanical data V Dimensions (WxHxD) 40 mm x 125 mm x 120 mm Net weight 240 g Weight including accessories - Gross weight - Diversameter 0 °C to 60 °C Storage temperature 0 °C to 70 °C Certifications yes | Between channels | yes |
| Insulation tested with DC 4000 V Datasizes Input bytes 2 Output bytes 0 Parameter bytes 0 Diagnostic bytes 0 O Housing Material PPE Material PPE Mounting Rail System 300 Mechanical data Dimensions (WxHxD) 40 mm x 125 mm x 120 mm Net weight 240 g Weight including accessories - Gross weight - Environmental conditions Operating temperature 0 Certifications UL certification UL certification UL certification DEC ADDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD | Between channels of groups to | 4 |
| DatasizesInput bytes2Output bytes0Parameter bytes0Diagnostic bytes0Housing0MaterialPPEMountingRail System 300Mechanical data240 gDimensions (WxHxD)40 mm x 125 mm x 120 mmNet weight240 gWeight including accessories-Gross weight-Dorerating temperature0 °C to 60 °CStorage temperature-25 °C to 70 °CCertificationsyesUt certificationyes | Between channels and backplane bus | yes |
| Input bytes2Output bytes0Parameter bytes0Diagnostic bytes0HousingPPEMaterialPPEMountingRail System 300Mechanical data240 gDimensions (WxHxD)40 mm x 125 mm x 120 mmNet weight240 gWeight including accessories-Gross weight-Operating temperature0 °C to 60 °CStorage temperature-25 °C to 70 °CCertificationsyes | Insulation tested with | DC 4000 V |
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| Mechanical data Dimensions (WxHxD) 40 mm x 125 mm x 120 mm Net weight 240 g Weight including accessories - Gross weight - Environmental conditions 0 °C to 60 °C Operating temperature 0 °C to 70 °C Certifications UL certification UL certification yes | Material | PPE |
| Dimensions (WxHxD)40 mm x 125 mm x 120 mmNet weight240 gWeight including accessories-Gross weight-Environmental conditions-Operating temperature0 °C to 60 °CStorage temperature-25 °C to 70 °CCertifications-UL certificationyes | Mounting | Rail System 300 |
| Net weight 240 g Weight including accessories - Gross weight - Environmental conditions - Operating temperature 0 °C to 60 °C Storage temperature -25 °C to 70 °C Certifications - UL certification yes | Mechanical data | |
| Weight including accessories - Gross weight - Environmental conditions - Operating temperature 0 °C to 60 °C Storage temperature -25 °C to 70 °C Certifications - UL certification yes | Dimensions (WxHxD) | 40 mm x 125 mm x 120 mm |
| Gross weight - Environmental conditions 0 °C to 60 °C Operating temperature 0 °C to 60 °C Storage temperature -25 °C to 70 °C Certifications UL certification | Net weight | 240 g |
| Environmental conditions Operating temperature 0 °C to 60 °C Storage temperature -25 °C to 70 °C Certifications UL certification | Weight including accessories | - |
| Operating temperature 0 °C to 60 °C Storage temperature -25 °C to 70 °C Certifications UL certification | Gross weight | |
| Storage temperature -25 °C to 70 °C Certifications UL certification | Environmental conditions | |
| Certifications UL certification yes | Operating temperature | 0 °C to 60 °C |
| UL certification yes | Storage temperature | -25 °C to 70 °C |
| | Certifications | |
| KC certification yes | UL certification | yes |
| | KC certification | yes |