

Data sheet

SM 323 (323-1BH00)

Technical data

| Order no. | 323-1BH00 |
|---|---|
| Туре | SM 323 |
| General information | |
| Note | - |
| Features | 16x DIO DC 24 V 1 A Diagnostic function For 20 pole front connector |
| SPEED-Bus | - |
| Current consumption/power loss | |
| Current consumption from backplane bus | 130 mA |
| Power loss | 4 W |
| Technical data digital inputs | |
| Number of inputs | 16 |
| Cable length, shielded | 1000 m |
| Cable length, unshielded | 600 m |
| Rated load voltage | DC 24 V |
| Current consumption from load voltage L+ (without load) | 30 mA |
| 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 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 |
| Input filter delay | - |
| Number of simultaneously utilizable inputs horizontal configuration | 16 |
| Number of simultaneously utilizable inputs vertical configuration | 16 |
| Input characteristic curve | IEC 61131-2, type 1 |
| Initial data size | 2 Byte |
| Technical data digital outputs | |
| Number of outputs | 16 |
| Cable length, shielded | 1000 m |
| Cable length, unshielded | 600 m |
| Rated load voltage | DC 24 V |
| Reverse polarity protection of rated load voltage | yes |
| Current consumption from load voltage L+ (without load) | 30 mA |



| Output current at signal "1", rated value | 1 A |
|---|-------------------------------|
| Signal logic output | Sourcing output |
| Output delay of "0" to "1" | 150 µs |
| Output delay of "1" to "0" | 100 μs |
| Minimum load current | - |
| Lamp load | 5 W |
| Parallel switching of outputs for redundant control of a load | possible (only outputs group) |
| Parallel switching of outputs for increased power | not possible |
| Actuation of digital input | yes |
| Switching frequency with resistive load | max. 1000 Hz |
| Switching frequency with inductive load | max. 0.5 Hz |
| Switching frequency on lamp load | max. 10 Hz |
| Internal limitation of inductive shut-off voltage | L+ (-52 V) |
| Short-circuit protection of output | yes, electronic |
| Trigger level | 1.5 A |
| Number of operating cycle of relay outputs | - |
| Switching capacity of contacts | - |
| Output 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 | green LED per group |
| Group error display | red SF LED |
| Channel error display | none |
| Isolation | |
| Between channels | yes |
| Between channels of groups to | 8 |
| Between channels and backplane bus | yes |
| Between areas | - |
| Insulation tested with | DC 500 V |
| Datasizes | |
| Input bytes | 2 |
| Output bytes | 2 |
| Parameter bytes | 0 |
| Diagnostic bytes | 0 |
| Housing | |
| Material | PPE |
| Mounting | Rail System 300 |
| Mechanical data | |
| Dimensions (WxHxD) | 40 mm x 125 mm x 120 mm |
| Net weight | 230 g |
| Weight including accessories | - |
| Gross weight | |
| Environmental conditions | |
| Environmental conditions | |



| Operating temperature | 0 °C to 60 °C |
|-----------------------|-----------------|
| Storage temperature | -25 °C to 70 °C |
| Certifications | |
| UL certification | yes |
| KC certification | yes |