

Data sheet EM 123 (123-4EL01)

Technical data

| Type EM 123 General Information - Note - Features 16 inputs/16 outputs Isolated Current consumption/power loss - Current consumption/power loss 6 W Technical data digital inputs 100 mA Power loss 6 W Technical data digital inputs 16 Cable length, shielded 600 m Cable length, unshielded 600 m Rated davolage - Current consumption from load voltage L+ (without load) - Current consumption from load voltage L+ (without load) - Rated davolage 0 - Current consumption from load voltage L+ (without load) - Input voltage for signal "0" DC 24 V Input voltage for signal "1" DC 16S28 V Input voltage for signal "1" Consol Input voltage for signal "1" TmA Connection of Two-Wire-BEROs possible yes Max. permissible BERO quissent current 1.5 mA Input delay 0" 0" 0" 1" 3 ms Number of simultane | Order no. | 123-4EL01 |
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| Output current at signal "1", rated value 0.5 A | Reverse polarity protection of rated load voltage | |
| Output current at signal "1", rated value 0.5 A | Current consumption from load voltage L+ (without load) | 30 mA |
| Output delay of "0" to "1" max. 100 µs | Output current at signal "1", rated value | 0.5 A |
| | Output delay of "0" to "1" | max. 100 µs |



| Output delay of "1" to "0" | max. 350 µs A YASKAWA COMPANY |
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| Minimum load current | - |
| Lamp load | 5 W |
| 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 | 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 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 | none |
| Group error display | none |
| Channel error display | none |
| Isolation | |
| Between channels | - |
| Between channels of groups to | 8 |
| Between channels and backplane bus | yes |
| Insulation tested with | DC 500 V |
| Datasizes | |
| | 2 |
| Input bytes | 2 |
| Output bytes | 2 |
| Parameter bytes | 0 |
| Diagnostic bytes | 0 |
| Housing | 225 / 24.0.0 |
| Material | PPE / PA 6.6 |
| Mounting | Profile rail 35 mm |
| Mechanical data | |
| Dimensions (WxHxD) | 101.6 mm x 76 mm x 48 mm |
| Weight | 271 g |
| Environmental conditions | |
| Operating temperature | 0 °C to 60 °C |
| Storage temperature | -25 °C to 70 °C |



Certifications

| UL certification |
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KC certification

yes -