# Datasheet

auto MASKIN

## MK-14 Expansion Relay Unit

**Part#: 1121341**

### Interfaces

| Section | Ch. | Cond. | Min | Typ | Max | Unit | Comment |
|---|---|---|---|---|---|---|---|
| Power Supply | 1 | | 18 | 24 | 30 | VDC | Powered from DCU |
| Current Consumption | - | | 0 | - | 252 | mA | 18 mA per activated relay. |
| DSUB | 1 | | - | - | - | - | |
| Relays | 14 | 0 | | - | 2 | A | @ 30 VDC (Resistive Load) |
| | | | | | 1 | A | @ 30 VDC (Inductive Load) |
| | | | | | 0.5 | A | @ 125 VAC (Resistive Load) |
| | | | | | 0.3 | A | @ 125 VAC (Inductive Load) |
| | | | | | | | Relays 12-14 are disabled when AK-6 is used |

### Size and Weight

| Section | Weight | Width | Height | Depth | Unit | Comment |
|---|---|---|---|---|---|---|
| Size | - | 117 | 105 | 35 | mm | Depth without wire terminals and DSUB connector |
| Weight | 500 | - | - | - | g | |

### Environmental

| Section | Condition | Min | Typ | Max | Unit | Comment |
|---|---|---|---|---|---|---|
| Vibration | Operational | - | 0.7 | - | g | IEC 60068-2-6 Fc |
| Dry Heat | Operational | - | - | 70 | C | IEC 60068-2-2 Bb/Bd |
| | | - | - | 16 | hours | |
| Damp Heat, cyclic | Cyclic 20-55-20 | - | - | - | C | IEC 60068-2-30 Db |
| | Humidity 95% | - | - | - | - | |
| | Duration | - | - | 48 | hours | |
| Operating Temperature | Operational | 5 | - | 70 | C | IEC 60068-2-1 Ab/Ad |
| | Duration | - | - | 2 | hours | |
| Electrostatic Discharge, ESD | Operational | - | - | - | - | IEC 61000-4-2 |
| | | 8 | - | 8 | kV | Air |
| | | 6 | - | 6 | kV | Contact |

| This product is designed to meet 'Det Norske Veritas' rules for Classification of Ships, High Speed & Light Craft and Offshore Standard Pt.4 Ch.9 Sec.5 B for the following location Classes: | Temperature: B | Humidity: B | Vibration: A | EMC: A |
|---|---|---|---|---|

**Validity of Information**
Data valid at revision date. Auto-Maskin reserves the right to make improvements and changes of specification at any time.

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