SIEMENS

## Data sheet 6ES7647-0KA02-0AA2

SIMATIC IoT2000, input module sink/source, 10x DI, ARDUINO Shield for SIMATIC IoT2020 and IoT2040



| | |
|---|---|
| **General information** | |
| Product type designation | IOT2000 |
| **Installation type/mounting** | |
| Mounting | On Arduino interface |
| Design | Plug-in card |
| **Supply voltage** | |
| Type of supply voltage | 24 V DC |
| **Digital inputs** | |
| Number of digital inputs | 10 |
| Input voltage | |
| ● for signal "0" | < 5 V DC |
| ● for signal "1" | > 12 V DC |
| Input current | |
| ● for signal "0", max. (permissible quiescent current) | 0.9 mA |
| ● for signal "1", typ. | 2.1 mA |
| Input delay (for rated value of input voltage) | |
| for standard inputs | |
| — at "0" to "1", max. | 1.5 ms |
| — at "1" to "0", max. | 1.5 ms |
| **Digital outputs** | |
| Type of digital output | without |
| **Degree and class of protection** | |
| IP (at the front) | 20 |
| **Standards, approvals, certificates** | |
| CE mark | Yes |
| UL approval | Yes |
| cULus | Yes |
| RCM (formerly C-TICK) | Yes |
| FCC | Yes |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● min. | 0 °C |
| ● max. | 50 °C |
| Ambient temperature during storage/transportation | |
| ● min. | -20 °C |
| ● max. | 70 °C |
| **Mechanics/material** | |
| Enclosure material (front) | plastic |
| ● plastic | Yes |


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| | |
|---|---|
| • Aluminum | No |
| • Stainless steel | No |
| • Glass | No |

**Dimensions**

| | |
|---|---|
| Width | 75 mm |
| Height | 57 mm |
| Depth | 32 mm |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 16 | 19-20-01-02 |
| eClass | 14 | 19-20-01-02 |
| eClass | 12 | 19-20-01-02 |
| eClass | 9.1 | 19-20-01-02 |
| eClass | 9 | 19-20-01-02 |
| eClass | 8 | 19-20-01-02 |
| eClass | 7.1 | 19-20-01-02 |
| eClass | 6 | 19-20-01-02 |
| ETIM | 10 | EC001413 |
| ETIM | 9 | EC001413 |
| ETIM | 8 | EC001413 |
| ETIM | 7 | EC001413 |
| IDEA | 4 | 6606 |
| UNSPSC | 15 | 43-21-15-06 |

**Approvals / Certificates**

**General Product Approval**

Manufacturer Declaration

Miscellaneous

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