

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                  |

- Aluminum
- Stainless steel
- Glass

No  
No  
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](#)



last modified:

3/12/2024