

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	
<ul style="list-style-type: none"> <li>for signal "0"</li> <li>for signal "1"</li> </ul>	<ul style="list-style-type: none"> <li>&lt; 5 V DC</li> <li>&gt; 12 V DC</li> </ul>
Input current	
<ul style="list-style-type: none"> <li>for signal "0", max. (permissible quiescent current)</li> <li>for signal "1", typ.</li> </ul>	<ul style="list-style-type: none"> <li>0.9 mA</li> <li>2.1 mA</li> </ul>
Input delay (for rated value of input voltage)	
for standard inputs	
<ul style="list-style-type: none"> <li>at "0" to "1", max.</li> <li>at "1" to "0", max.</li> </ul>	<ul style="list-style-type: none"> <li>1.5 ms</li> <li>1.5 ms</li> </ul>
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	
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	<ul style="list-style-type: none"> <li>0 °C</li> <li>50 °C</li> </ul>
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	<ul style="list-style-type: none"> <li>-20 °C</li> <li>70 °C</li> </ul>
Mechanics/material	
Enclosure material (front)	plastic
<ul style="list-style-type: none"> <li>Plastic</li> </ul>	Yes

- Aluminum
- Stainless steel
- Glass

No  
No  
No

### Dimensions

Width	75 mm
Height	57 mm
Depth	32 mm

### Classifications

	Version	Classification
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