

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



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
EMC	
Interference immunity against discharge of static electricity	
<ul style="list-style-type: none"> <li>Interference immunity against discharge of static electricity</li> </ul>	± 6 kV contact discharge at the front in accordance with IEC 61000-4-2; ±4 kV, housing contact discharge at the back in accordance with IEC 61000-4-2; ± 8 kV air discharge in accordance with IEC 61000-4-2
Interference immunity to cable-borne interference	
<ul style="list-style-type: none"> <li>Interference immunity on signal cables &lt; 30m</li> </ul>	±1 kV acc. to IEC 61000-4-4, Burst
Emission of conducted and non-conducted interference	
<ul style="list-style-type: none"> <li>Interference emission via line/AC current cables</li> </ul>	10 V/m for 80 - 2 000 MHz, 80 % AM acc. to IEC 61000-4-3; 3 V/m for 2 - 2.7 GHz, 80 % AM acc. to IEC 61000-4-3
Compliance with line harmonic distortion limits	
<ul style="list-style-type: none"> <li>Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3</li> </ul>	No
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

EMC	CE (industry)
<b>Ambient conditions</b>	
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	70 °C
<b>Mechanics/material</b>	
Enclosure material (front)	plastic
• Plastic	Yes
• Aluminum	No
• Stainless steel	No
• Glass	No
<b>Dimensions</b>	
Width	75 mm
Height	57 mm
Depth	32 mm
<b>last modified:</b>	10/30/2021 