



expansion module 4DI / 2DO, plug-in, for 7KM PAC3220/4220

Model	
product brand name	SETRON
product designation	Expansion module 4DI / 2DQ
type of voltage supply	via PAC 3220 / PAC 4200
General technical data	
MTBF	141.1 a
galvanic isolation	Maximum insulation voltage: 500V AC
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750	P
degree of pollution	2 according to IEC 61131
Protection class	
protection class IP	IP20
combustibility class according to UL 94	V 0
suitability for use	7KM PAC 3220 / PAC 4200 / PAC 4220
<ul style="list-style-type: none"> <li>reactive power meter</li> </ul>	No
input voltage at digital input at DC maximum	30 V
input current at digital input	
<ul style="list-style-type: none"> <li>initial value for signal&lt;1&gt;-recognition</li> </ul>	2.5 mA
<ul style="list-style-type: none"> <li>full-scale value for signal&lt;0&gt; recognition</li> </ul>	0.5 mA
<ul style="list-style-type: none"> <li>for signal &lt;1&gt; minimum</li> </ul>	2.5 mA
operating conditions for digital inputs external voltage supply	Yes
load resistance at digital input	
<ul style="list-style-type: none"> <li>initial value for signal&lt;0&gt;-recognition</li> </ul>	10 000 Ω
<ul style="list-style-type: none"> <li>full-scale value for signal&lt;1&gt; recognition</li> </ul>	1 000 Ω
type of switching output	solid state
output current	
<ul style="list-style-type: none"> <li>at digital output with signal &lt;0&gt; maximum</li> </ul>	0.2 mA
<ul style="list-style-type: none"> <li>at digital output for signal &lt;1&gt; minimum</li> </ul>	50 mA
<ul style="list-style-type: none"> <li>at digital output for signal &lt;1&gt; maximum</li> </ul>	130 mA
<ul style="list-style-type: none"> <li>at the digital outputs at DC limited to 100 ms maximum</li> </ul>	130 mA
<ul style="list-style-type: none"> <li>at the digital outputs at DC maximum</li> </ul>	50 mA
internal resistance at the digital outputs	55 Ω
Connections	
type of electrical connection	screw terminal
Mechanical Design	
height	63 mm
width	43 mm
depth	22 mm
fastening method	pluggable
Environmental conditions	

ambient temperature during operation	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>-5 °C</p> <p>55 °C</p>
ambient temperature during storage	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>-25 °C</p> <p>70 °C</p>

Environmental footprint	
Global Warming Potential [CO2 eq] total	1.53 kg
Global Warming Potential [CO2 eq] during manufacturing	1.56 kg
Global Warming Potential [CO2 eq] during operation	0 kg
Global Warming Potential [CO2 eq] after end of life	-0.045 kg

### Approvals Certificates

#### General Product Approval



[Confirmation](#)



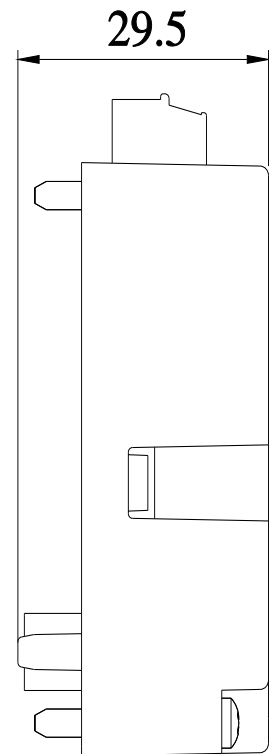
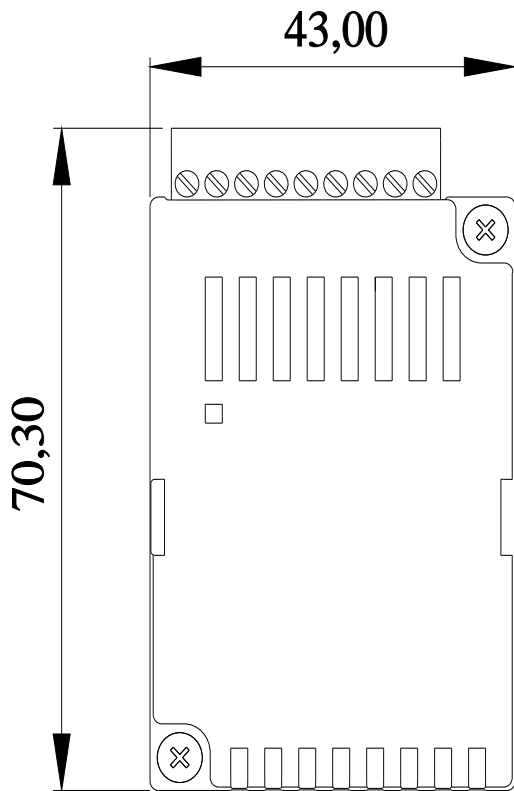
[KC](#)



EMV	other	Environment			
<p>RCM</p>	<p><a href="#">Miscellaneous</a></p>	<p><a href="#">Confirmation</a></p>		<p><a href="#">Environmental Con- firmations</a></p>	<p><a href="#">Environmental Con- firmations</a></p>

### Further information

- Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
- Information- and Downloadcenter (Catalogs, Brochures,...)  
<http://www.siemens.com/lowvoltage/catalogs>
- Industry Mall (Online ordering system)  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7KM9200-0AB00-0AA0>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/7KM9200-0AB00-0AA0>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=7KM9200-0AB00-0AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KM9200-0AB00-0AA0)
- CAx-Online-Generator  
<http://www.siemens.com/cax>
- Tender specifications  
<http://www.siemens.com/specifications>



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