



SITOP PBM1200 20A/40A

SITOP PBM1200 20 A/40 A power boost module input: 24-28 V | 48-56 V DC

General information	
Technical Product Detail Page	<a href="https://i.siemens.com/1P6EP4240-7HB00-0AX0">https://i.siemens.com/1P6EP4240-7HB00-0AX0</a>
input	
supply voltage 1 at DC	24 ... 28 V
supply voltage 2 at DC	48 ... 56 V
input voltage 1 at DC	20.5 ... 29 V
input voltage 2 at DC	41 ... 57 V
memory	
design of the mains power cut bridging-connection	module for magnetic tripping of miniature circuit breakers with a characteristic B/C: 4A/6A/8A/10A/13A; connection to a 24 V or 48 V power supply with rated output current of 20 A or 40 A
efficiency	
power loss [W]	1 W
<ul style="list-style-type: none"> <li>at rated output voltage for rated value of the output current typical</li> </ul>	
protection and monitoring	
product function	Yes
<ul style="list-style-type: none"> <li>reverse polarity protection against input voltage polarity reversal</li> </ul>	
display version	LED green for "Ready", LED red for "Reverse polarity"
<ul style="list-style-type: none"> <li>for normal operation</li> </ul>	
interfaces	
product component PC interface	No
product function communication function	No
design of the interface	without
safety	
operating resource protection class	Class III
protection class IP	IP20
standard	EN 61000-6-2
<ul style="list-style-type: none"> <li>for interference immunity</li> </ul>	
standards, specifications, approvals	
certificate of suitability	Yes
<ul style="list-style-type: none"> <li>CE marking</li> <li>UL approval</li> <li>Regulatory Compliance Mark (RCM)</li> </ul>	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
type of certification CB-certificate	Yes
MTBF at 40 °C	1 000 000 h
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	

<ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>Det Norske Veritas (DNV)</li> </ul>	No; in preparation No; in preparation
<b>standards, specifications, approvals Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> <li>total</li> <li>during manufacturing</li> <li>during operation</li> <li>after end of life</li> </ul>	49.3 kg 17.6 kg 31.3 kg 0.4 kg
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during transport</li> <li>during storage</li> </ul>	-40 ... +70 °C; with natural convection -40 ... +85 °C -40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
<b>connection method</b>	
type of electrical connection	push-in terminals
<ul style="list-style-type: none"> <li>at input</li> <li>at output</li> </ul>	push-in for 0.75 ... 16 mm <sup>2</sup> push-in for 0.75 ... 16 mm <sup>2</sup>
<b>mechanical data</b>	
width × height × depth of the enclosure	45 × 135 × 125 mm
installation width × mounting height	45 mm × 225 mm
required spacing	
<ul style="list-style-type: none"> <li>top</li> <li>bottom</li> <li>left</li> <li>right</li> </ul>	45 mm 45 mm 0 mm 0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> <li>DIN-rail mounting</li> <li>S7 rail mounting</li> <li>wall mounting</li> </ul>	Yes No No
housing can be lined up	Yes
net weight	0.4 kg
<b>further information internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: power supplies</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://siemens.com/sitop">https://siemens.com/sitop</a> <a href="https://siemens.com/cax">https://siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
identification link	Yes; acc. to IEC 61406-1:2022
<b>additional information</b>	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
<b>security information</b>	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under

Classifications

	Version	Classification
eClass	14	27-04-07-05
eClass	12	27-04-07-05
eClass	9.1	27-04-07-05
eClass	9	27-04-07-05
eClass	8	27-04-06-90
eClass	7.1	27-04-06-90
eClass	6	27-04-06-90
ETIM	10	EC000382
ETIM	9	EC000382
ETIM	8	EC000382
ETIM	7	EC000382

Approvals Certificates

General Product Approval



[Manufacturer Declaration](#)



[China RoHS](#)



General Product Approval

Environment



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