



SITOP PBM1200 20A/40A

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

Technical Product Detail Page

<https://i.siemens.com/1P6EP4240-7HB00-0AX0>

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"> at rated output voltage for rated value of the output current typical 	
protection and monitoring	
product function	Yes
<ul style="list-style-type: none"> reverse polarity protection against input voltage polarity reversal 	
display version	LED green for "Ready", LED red for "Reverse polarity"
<ul style="list-style-type: none"> for normal operation 	
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"> for interference immunity 	
standards, specifications, approvals	
certificate of suitability	Yes
<ul style="list-style-type: none"> CE marking UL approval Regulatory Compliance Mark (RCM) 	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	No; in preparation
<ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) 	

<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	No; in preparation
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> • total 	49.3 kg
<ul style="list-style-type: none"> • during manufacturing 	17.6 kg
<ul style="list-style-type: none"> • during operation 	31.3 kg
<ul style="list-style-type: none"> • after end of life 	0.4 kg
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation 	-40 ... +70 °C; with natural convection
<ul style="list-style-type: none"> • during transport 	-40 ... +85 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
connection method	
type of electrical connection	push-in terminals
<ul style="list-style-type: none"> • at input 	push-in for 0.75 ... 16 mm ²
<ul style="list-style-type: none"> • at output 	push-in for 0.75 ... 16 mm ²
mechanical data	
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"> • top 	45 mm
<ul style="list-style-type: none"> • bottom 	45 mm
<ul style="list-style-type: none"> • left 	0 mm
<ul style="list-style-type: none"> • right 	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> • DIN-rail mounting 	Yes
<ul style="list-style-type: none"> • S7 rail mounting 	No
<ul style="list-style-type: none"> • wall mounting 	No
housing can be lined up	Yes
net weight	0.4 kg
further information internet links	
internet link	
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
<ul style="list-style-type: none"> • to web page: power supplies 	https://siemens.com/sitop
<ul style="list-style-type: none"> • to website: CAx-Download-Manager 	https://siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com
additional information	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information	
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 www.siemens.com/cybersecurity-industry . 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 https://www.siemens.com/cert . (V4.7)
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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