



SITOP UPS501S/5KWS/Expansion Module/EX

SITOP UPS501S EX expansion module 5 kW for UPS500S (2.5 kW, 5 kW)
degree of protection IP20

Technical Product Detail Page

<https://i.siemens.com/1P6EP1935-5PG01-8AA0>

memory

type of energy storage	with capacitors
energy content of energy storage	5 kW.s

protection and monitoring

display version	
• 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

standards, specifications, approvals

certificate of suitability	
• CE marking	Yes
• UL approval	Yes
• UKCA marking	Yes
MTBF at 40 °C	350 000 h

standards, specifications, approvals hazardous environments

certificate of suitability	
• IECEx	Yes
• ATEX	Yes; ATEX (Ex) II 3G Ex ec IIC T4 Gc
• CCC for hazardous zone according to GB standard	Yes

standards, specifications, approvals marine classification

shipbuilding approval	No
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• Det Norske Veritas (DNV)	No; in preparation

standards, specifications, approvals Environmental Product Declaration

Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	20.2 kg
• during manufacturing	11.1 kg
• during operation	8.7 kg
• after end of life	0.21 kg

ambient conditions

ambient temperature	
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<ul style="list-style-type: none">during operationduring transportduring storage	0 ... 60 °C; with natural convection -40 ... +70 °C -40 ... +70 °C		
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation		
connection method			
type of electrical connection <ul style="list-style-type: none">at output	screw terminal can be connected to SITOP UPS500S via a plug-in system		
mechanical data			
width × height × depth of the enclosure	70 × 125 × 125 mm		
installation width × mounting height	70 mm × 225 mm		
required spacing <ul style="list-style-type: none">topbottomleftright	50 mm 50 mm 0 mm 0 mm		
fastening method <ul style="list-style-type: none">DIN-rail mountingS7 rail mountingwall mounting	Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No		
housing can be lined up	Yes		
net weight	0.7 kg		
further information internet links			
internet link <ul style="list-style-type: none">to website: Industry Mallto web page: selection aid TIA Selection Toolto web page: power suppliesto website: CAX-Download-Managerto website: Industry Online Support	https://mall.industry.siemens.com https://www.siemens.com/tstcloud https://siemens.com/sitop https://siemens.com/cax 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	For use in hazardous locations
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[Manufacturer Declaration](#)




EG-Konf.


[China RoHS](#)



IECEX



ATEX



For use in hazardous locations	Maritime application	Environment
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[CCC-Ex](#)



UL



DNV



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