SIEMENS

Data sheet 6EP4548-7XB00-3AX0

SITOP CHO1400 24/48V

SITOP CHO1400 24/48 V chopper module 1 kW 24-28 V | 48 V - 56 V DC with monitoring interface

Technical Product Detail Page	https://i.siemens.com/1P6EP4548-7XB00-3AX0
input	
type of the power supply network	DC voltage
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
output	
voltage curve at output	Controlled DC voltage
number of outputs	1
output voltage at DC rated value	24 V
formula for output voltage	Vin + 2.0 V
consumed input power maximum	1 000 W
consumed energy content maximum	1 800 J
cooling time maximum	4 min
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
efficiency	
power loss [W]	
● during no-load operation maximum	1 W
safety	
galvanic isolation between input and output	No
operating resource protection class	Class III
protection class IP	IP20
EMC	
standard	
● for emitted interference	EN 61000-6-3
● for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes
● UKCA marking	Yes
● NEC Class 2	No
type of certification	
● CB-certificate	Yes
MTBF at 40 °C	1 000 000 h
standards, specifications, approvals hazardous environments	

certificate of suitability	
● IECEx	No
● ATEX	No
● ULhazloc approval	No
● FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	70.6 kg
● during manufacturing	38.4 kg
● during operation	31.3 kg
● after end of life	0.87 kg
ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C; with natural convection
● during transport	-40 ... +85 °C
● 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
● at input	In: each for 0.75 ... 16 mm²
● at output	Out: each for 0.75 ... 16 mm²
● for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm²
mechanical data	
width × height × depth of the enclosure	45 × 135 × 125 mm
installation width × mounting height	45 mm × 225 mm
required spacing	
● top	45 mm
● bottom	45 mm
● left	0 mm
● right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
● DIN-rail mounting	Yes
● S7 rail mounting	No
● wall mounting	No
housing can be lined up	Yes
net weight	0.872 kg
further information internet links	
internet link	
● to website: Industry Mall	https://mall.industry.siemens.com
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: power supplies	https://siemens.com/sitop
● to website: CAx-Download-Manager	https://siemens.com/cax
● 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

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Classifications

	Version	Classification
eClass	14	27-37-18-02
eClass	12	27-37-18-02
eClass	9.1	27-37-18-02
eClass	9	27-37-18-02
eClass	8	27-37-18-02
eClass	7.1	27-37-18-02
eClass	6	27-37-18-02
ETIM	10	EC001440
ETIM	9	EC001440
ETIM	8	EC001440
ETIM	7	EC001440

Approvals Certificates

General Product Approval

Manufacturer Declaration

China RoHS

General Product Approval	Environment

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