SIEMENS

Data sheet 6EP4347-7RC00-0AX0

SITOP RED1200/REDM./DC24/48V/2X20A/EX

SITOP RED1200 redundancy module EX input/output: 24/48V DC/40 A Suitable for decoupling two SITOP power supplies with maximal per 20 A output current

Input	
type of the power supply network	DC voltage
supply voltage	
● at DC	12 ... 48 V
input voltage	
● at DC	10 ... 58 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 - approx. 0.6 V
output voltage	
● at output 1 at DC rated value	24 V
product function output voltage adjustable	No
output current	
● rated value	40 A
product feature	
● bridging of equipment	No
Efficiency	
efficiency in percent	97.5 %
power loss [W]	
● at rated output voltage for rated value of the output current typical	25 W
● during no-load operation maximum	0.1 W
Safety	
galvanic isolation between input and output	No
operating resource protection class	Class III
protection class IP	IP20
Approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
● CSA approval	Yes; CSA C22.2 No. 62368-1
● cCSAus, Class 1, Division 2	No
● ATEX	Yes
certificate of suitability	
● IECEx	Yes
● NEC Class 2	No
● ULhazloc approval	No
● FM registration	No

certificate of suitability shipbuilding approval	No
shipbuilding approval	available soon
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	No
● French marine classification society (BV)	No
● DNV GL	No
● Lloyds Register of Shipping (LRS)	No
● Nippon Kaiji Kyokai (NK)	No
EMC	
standard	
● for emitted interference	EN 61000-6-3
● for interference immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
● during operation	-30 ... +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
Mechanics	
type of electrical connection	push-in terminals
● at input	In1, In2: each for 0.75 ... 16 mm²
● at output	Out1: 0.75 ... 16 mm²
width of the enclosure	45 mm
height of the enclosure	135 mm
depth of the enclosure	125 mm
required spacing	
● top	45 mm
● bottom	45 mm
● left	0 mm
● right	0 mm
net weight	0.51 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
MTBF at 40 °C	6 100 000 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)