



SITOP RED1200/DC24/48V/2X40A

SITOP RED1200 redundancy module input/output: DC 24/48V/80 A
Suitable for decoupling two SITOP power supplies with maximal per 40 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	$V_{in} - \text{approx. } 0.6 \text{ V}$
output voltage	
• at output 1 at DC rated value	24 V
product function output voltage adjustable	No
output current	
• rated value	80 A
Efficiency	
efficiency in percent	97.5 %
power loss [W]	
• at rated output voltage for rated value of the output current typical	46 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
• cCSAus, Class 1, Division 2	No
• ATEX	No
certificate of suitability	
• IECEx	No
• NEC Class 2	No
• ULhazloc approval	No
• FM registration	No
EMC	
standard	

<ul style="list-style-type: none"> • for emitted interference • for interference immunity 	EN 61000-6-3 EN 61000-6-2
environmental conditions	
ambient temperature <ul style="list-style-type: none"> • during operation • during transport • during storage 	-30 ... +70 °C; with natural convection -40 ... +85 °C -40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
Mechanics	
type of electrical connection <ul style="list-style-type: none"> • at input • at output 	Push-in terminals In1, In2: je 0.5 ... 16 mm ² Out1: 0.5 ... 16 mm ²
width of the enclosure	45 mm
height of the enclosure	135 mm
depth of the enclosure	125 mm
required spacing <ul style="list-style-type: none"> • top • bottom • left • right 	45 mm 45 mm 0 mm 0 mm
net weight	1.01 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	4 900 000 h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

