



## DC-UPS power supply 1-2-3x 230-400-500Vac / output 24Vdc 20A

<b>Series</b>	CSU
<b>Code</b>	XCSU4480W024VAA
<b>Type</b>	CSU4-480W/024V/AA
<b>HS code</b>	85044083
<b>INPUT TECHNICAL DATA</b>	
<b>Input rated voltage</b>	1-2-3x 230-400-500 Vac
<b>Input voltage AC</b>	185...550 Vac (derating $U_{in} < 200$ Vac)
<b>Input voltage DC</b>	270...770 Vdc (derating $U_{in} < 270$ Vdc)
<b>Frequency</b>	47...63 Hz
<b>Current consumption</b>	2.32 A (230 Vac) / 0.8 A (400 Vac)
<b>Inrush peak current</b>	< 35 A (230 Vac) / < 50 A (400 Vac)
<b>Power factor</b>	> 0.9
<b>Internal protection fuse</b>	2x3.15 A
<b>External protection on AC line</b>	MCB: 2-3x 6 A C-curve / 2-3x T 6.3 A
<b>OUTPUT TECHNICAL DATA</b>	
<b>Output voltage range</b>	24 Vdc
<b>Output adjustable range</b>	21...27 Vdc normal operation, 17...24 Vdc battery operation
<b>Continuous current</b>	20 A
<b>Battery safety fuse</b>	Fuse: 20 A (external)
<b>Status indication</b>	LED "AC OK", LED "BATT", LED "ALARM"
<b>Alarm contact</b>	2 relay (AC OK / Battery)
<b>Battery type</b>	Lead-Acid
<b>Battery capacity</b>	1.2...100 Ah (24 Vdc)
<b>Charging current</b>	0,18...10 A DIP-switch-configurable
<b>Battery disconnection voltage</b>	≤ 18 Vdc
<b>Protection</b>	Short circuit, overload, battery deep discharge, overtemperature, reverse polarity
<b>GENERAL TECHNICAL DATA</b>	
<b>Efficiency</b>	—
<b>Dissipated power</b>	—
<b>Operating temperature range</b>	-20...+70°C
<b>Input / output isolation</b>	3 kVac / 60 s (SELV output)
<b>Input / ground isolation</b>	1.5 kVac / 60 s
<b>Output / ground isolation</b>	0.5 kVac / 60 s
<b>Safety Standard</b>	EN61010-1
<b>EMC Standard</b>	EN 55032, EN 61000-3-2, EN 61000-3-3, EN 55035, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11
<b>Overvoltage category / pollution degree</b>	II / 2
<b>Protection degree</b>	IP 20
<b>Connection terminal</b>	4mm <sup>2</sup> / 1.5mm <sup>2</sup> push-in
<b>Housing material</b>	aluminium
<b>Dimensions (LxHxD)</b>	99x140x169 mm
<b>Approximate weight</b>	1,85 kg
<b>Mounting information</b>	vertical on a rail, 10 mm from adjacent components
<b>ACCESSORIES</b>	
<b>Mounting rail (IEC60715/TH35-7.5)</b>	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
<b>Mounting rail (IEC60715/TH35-15)</b>	PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB
<b>APPROVALS AND MARKINGS</b>	CE



## PRODUCT DESCRIPTION

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