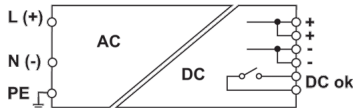
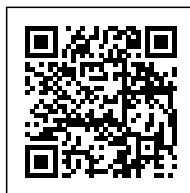


Single-phase  
power supply input 120-230Vac / output 24Vdc 20A with protective coating



<b>Series</b>	Easy Power
<b>Code</b>	XCSL1480W024VGA
<b>Type</b>	CSL1-480W/024V/GA (2)
<b>HS code</b>	85044083
<b>INPUT TECHNICAL DATA</b>	
<b>Input rated voltage</b>	120–230 Vac
<b>Input voltage AC</b>	85...264 Vac
<b>Input voltage DC</b>	100...370 Vdc (derating Uin)
<b>Frequency</b>	47...63 Hz
<b>Current consumption</b>	4.9 A (120 Vac) / 2.4 A (230 Vac)
<b>Inrush peak current</b>	36 A
<b>Power factor</b>	> 0.99
<b>Internal protection fuse</b>	Yes 8 A
<b>External protection on AC line</b>	MT: C-6 A / Fuse: T-6.3 A
<b>OUTPUT TECHNICAL DATA</b>	
<b>Output voltage range</b>	24 Vdc ±1%
<b>Output adjustable range</b>	20...28.5 Vdc
<b>Continuous current</b>	20 A at 50°C
<b>Overload limiting</b>	23 A (max. 25 A constant current)
<b>Short circuit peak current</b>	32 A 300 ms On / 800 ms Off (HICCUP mode)
<b>Ripple @ nominal ratings</b>	200 mVpp
<b>Hold up time</b>	18 ms (120 Vac) / 18 ms (230 Vac)
<b>Status indication</b>	LED "DC OK", LED "Stand-by"
<b>Alarm contact</b>	dry contact, max. 1A @ 24 Vdc (Uout > 21.6 Vdc)
<b>Parallel connection</b>	possible
<b>Redundant parallel connection</b>	possible with external ORing diode
<b>GENERAL TECHNICAL DATA</b>	
<b>Efficiency</b>	90.7 %
<b>Dissipated power</b>	53 W
<b>Operating temperature range</b>	-20...+70°C (derating -14 W/°C >50°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>	EN 62368-1, UL508
<b>EMC Standard</b>	EN 61000-3-2, EN 61000-3-3, EN 61000-4-11, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-6-2, EN 61000-6-4
<b>Overvoltage category / pollution degree</b>	II / 2
<b>Protection degree</b>	IP 20
<b>Connection terminal</b>	4 mm <sup>2</sup> / 4 mm <sup>2</sup>
<b>Housing material</b>	aluminium
<b>Dimensions (LxHxD)</b>	80x170x127 mm
<b>Approximate weight</b>	1.5 kg
<b>Mounting information</b>	vertical on a rail, 20 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>APPROVALS AND MARKINGS</b>	
	CE,



- \* Single phase and DC input
- \* Short circuit, overload, input and output overvoltage protections
- \* Over temperature protection
- \* Alarm contact
- \* High overload capability to ensure the protections selectivity and start-up of heavy loads

1 (1) Standard version (product after September 2019)  
2 (2) With protective coating that allow installation in environment with extreme conditions (product on demand)  
3 Please refer to the datasheet for more details

## PRODUCT DESCRIPTION

CSL1-480W/024V/GA Single-phase power supply input  
120-230Vac / output 24Vdc 20A with protective coating