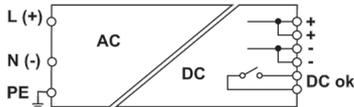




Single-phase

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

Series	Easy Power
Code	XCSSL1480W024VGA
Type	CSL1-480W/024V/GA (2)
HS code	85044083
INPUT TECHNICAL DATA	
Input rated voltage	120–230 Vac
Input voltage AC	85...264 Vac
Input voltage DC	100...370 Vdc (derating Uin)
Frequency	47...63 Hz
Current consumption	4.9 A (120 Vac) / 2.4 A (230 Vac)
Inrush peak current	36 A
Power factor	> 0.99
Internal protection fuse	Yes 8 A
External protection on AC line	MT: C-6 A / Fuse: T-6.3 A
OUTPUT TECHNICAL DATA	
Output voltage range	24 Vdc ±1%
Output adjustable range	20...28.5 Vdc
Continuous current	20 A at 50°C
Overload limiting	23 A (max. 25 A constant current)
Short circuit peak current	32 A 300 ms On / 800 ms Off (HICCUP mode)
Ripple @ nominal ratings	200 mVpp
Hold up time	18 ms (120 Vac) / 18 ms (230 Vac)
Status indication	LED "DC OK", LED "Stand-by"
Alarm contact	dry contact, max. 1A @ 24 Vdc (Uout > 21.6 Vdc)
Parallel connection	possible
Redundant parallel connection	possible with external ORing diode
GENERAL TECHNICAL DATA	
Efficiency	90.7 %
Dissipated power	53 W
Operating temperature range	-20...+70°C (derating -14 W/°C >50°C)
Input / output isolation	3 kVac / 60 s (SELV output)
Input / ground isolation	1.5 kVac / 60 s
Output / ground isolation	0.5 kVac / 60 s
Safety Standard	EN 62368-1, UL508
EMC Standard	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
Overvoltage category / pollution degree	II / 2
Protection degree	IP 20
Connection terminal	4 mm ² / 4 mm ²
Housing material	aluminium
Dimensions (LxHxD)	80x170x127 mm
Approximate weight	1.5 kg
Mounting information	vertical on a rail, 20 mm from adjacent components
ACCESSORIES	
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
APPROVALS AND MARKINGS	
	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

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120-230Vac / output 24Vdc 20A with protective coating