



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

Series	Easy Power
Code	XCSSL1480W024VAB
Type	CSL1-480W/024V/AB (3)
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 U _{in})
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 (U _{out} >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 (3) With communication port that allow the connection to the net through the external interface XCCI001MB (product on demand)
2 Please refer to the datasheet for more details

PRODUCT DESCRIPTION

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