

- 3-phase 400-500 Vac input
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Suitable for standard applications
- Alarm contact
- High overload capability to ensure the protections selectivity and start-up of heavy loads



NOTE

Please refer to the datasheet for more details
Above overcurrent limit, the protection decreases the output voltage (constant current mode), the maximum current supplied depends by the line resistance
(1) Available after May 2019

CODE TYPE	XCSL3480W024VAA	XCSL3480W048VAA
INPUT TECHNICAL DATA	CSL3-480W/024V/AA (1)	CSL3-480W/048V/AA (1)
Input rated voltage	3x 400-500 Vac	3x 400-500 Vac
Input voltage AC	340...550 Vac	340...550 Vac
Input voltage DC	—	—
Frequency	47...63 Hz	47...63 Hz
Current consumption	1.2 A (120 Vac) / 1 A (230 Vac)	1.2 A (120 Vac) / 1 A (230 Vac)
Inrush peak current	22 A	22 A
Power factor	—	—
Internal protection fuse	—	—
External protection on AC line	MCB: C-4 A / Fuse: T-3.15 A	MCB: C-4 A / Fuse: T-3.15 A
OUTPUT TECHNICAL DATA		
Output rated voltage	24 Vdc ±1%	48 Vdc ±1%
Output adjustable range	20 ... 28 Vdc	40.5 ... 55.5 Vdc
Continuous current	20 A at 50°C	10 A at 50°C
Overload limiting	22.5 A (max. 40 A constant current)	15 A (max. 20 A constant current)
Short circuit peak current	—	—
Ripple @ nominal ratings	50 mVpp	50 mVpp
Hold up time	10 ms (120 Vac) / 10 ms (230 Vac)	10 ms (120 Vac) / 10 ms (230 Vac)
Status indication	LED "DC OK", LED "Stand-by"	LED "DC OK", LED "Stand-by"
Alarm contact	dry contact, max. 1A @ 24 Vdc (Uout > 21.6 Vdc)	dry contact, max. 1A @ 24 Vdc (Uout > 43.2 Vdc)
Parallel connection	possible	possible
Redundant parallel connection	possible with external ORing diode	possible with external ORing diode
GENERAL TECHNICAL DATA		
Efficiency	90.5% (400 Vac) / 90.5% (500 Vac)	91% (400 Vac) / 91% (500 Vac)
Dissipated power	48 W (400 Vac) / 48 W (500 Vac)	47.5 W (400 Vac) / 47.5 W (500 Vac)
Operating temperature range	-20...+70°C (derating -14 W/°C >50°C)	-20...+70°C (derating -14 W/°C >50°C)
Input / output isolation	3 kVac / 60 s (SELV output)	3 kVac / 60 s (SELV output)
Input / ground isolation	1.5 kVac / 60 s	1.5 kVac / 60 s
Output / ground isolation	0.5 kVac / 60 s	0.5 kVac / 60 s
Standard / approvals	EN 60950-1	EN 60950-1
EMC Standards	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Overvoltage category / Pollution degree	II / 2	II / 2
Protection degree	IP 20	IP 20
Connection terminal IN/OUT	4 mm ² / 4 mm ²	4 mm ² / 4 mm ²
Housing material	aluminium	aluminium
Dimension	80x170x127 mm	80x170x127 mm
Approximate weight	1.5 kg	1.5 kg
Mounting information	vertical on a rail, 20 mm from adjacent components	vertical on a rail, 20 mm from adjacent components
APPROVALS	UL PENDING	UL PENDING
ACCESSORIES		
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—
Marking tag	—	—