

- 3-phase 400-500 Vac 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

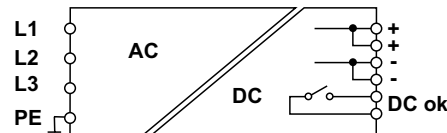
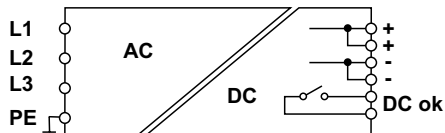


NOTE

[1] Standard version (product after September 2019)

[2] With protective coating that allow installation in environment with extreme conditions (product on demand)

Please refer to the datasheet for more details



CODE TYPE	CSL3-480W/048V/AA [1]	CSL3-480W/048V/GA [2]
INPUT TECHNICAL DATA		
Input rated voltage	3x 400-500 Vac	3x 400-500 Vac
Input voltage AC	340...550 Vac	340...550 Vac
Input voltage DC	500 - 600 Vdc	500 - 600 Vdc
Frequency	47...63 Hz	47...63 Hz
Current consumption	1.31 A (400 Vac)	1.31 A (400 Vac)
Inrush peak current	22 A	22 A
Power factor	0.76	0.76
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	48 Vdc ±1%	48 Vdc ±1%
Output adjustable range	40.5 ... 55.5 Vdc	40.5 ... 55.5 Vdc
Continuous current	10 A at 50°C	10 A at 50°C
Overload limiting	14 A (max. 20 A constant current)	14 A (max. 20 A constant current)
Short circuit peak current	30A 400 ms On /800 ms Off (HICCUP mode)	30A 400 ms On /800 ms Off (HICCUP mode)
Ripple @ nominal ratings	45 mVpp	45 mVpp
Hold up time	10 ms (400 Vac)	10 ms (400 Vac)
Status indication	LED "DC OK", LED "Stand-by"	LED "DC OK", LED "Stand-by"
Alarm contact	dry contact, max. 1A @ 24 Vdc (Uout >43.2 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	91% (400 Vac)	91% (400 Vac)
Dissipated power	47.5 W (400 Vac)	47.5 W (400 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	CE UL PENDING	CE 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	—	—