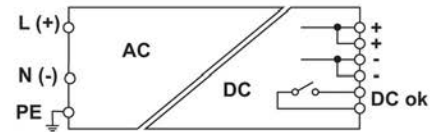
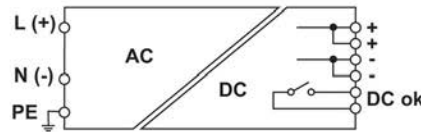


- Single phase and DC input
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Suitable for standard applications
- Alarm contact

NOTE

Please refer to the datasheet for more details
Above overcurrent limit, the protection starts cycling in ON/OFF mode(hiccup autoreset), the maximum current supplied depends by the line resistance



| CODE | XCSL1072W024VAA | XCSL1120W024VAA |
|---|--|--|
| TYPE | CSL1-072W/024V/AA | CSL1-120W/024V/AA |
| INPUT TECHNICAL DATA | | |
| Input rated voltage | 120-230 Vac | 120-230 Vac |
| Input voltage AC | 85...264 Vac | 85...264 Vac |
| Input voltage DC | 100...370 Vdc (derating Uin<130 Vdc) | 100...370 Vdc (derating Uin<130 Vdc) |
| Frequency | 47...63 Hz | 47...63 Hz |
| Current consumption | 0.7 A (120 Vac) / 0.4 A (230 Vac) | 1.8 A (120 Vac) / 1.1 A (230 Vac) |
| Inrush peak current | 20 A | 20 A |
| Power factor | > 0.65 | > 0.65 |
| Internal protection fuse | T 2 A | T 3.15 A |
| External protection on AC line | MCB: C-4 A / Fuse: T-4 A | MCB: C-4 A / Fuse: T-4 A |
| OUTPUT TECHNICAL DATA | | |
| Output rated voltage | 24 Vdc ±1% | 24 Vdc ±1% |
| Output adjustable range | 16 ... 28 Vdc | 16 ... 28 Vdc |
| Continuous current | 3 A at 50°C | 5 A |
| Overload limiting | > 6 A per > 30 s | >6.2 A for >30 s |
| Short circuit peak current | 15 A for 50 ms | 15 A for 50 ms |
| Ripple @ nominal ratings | 40 mVpp | 50 mVpp |
| Hold up time | 20 ms (120 Vac) / 70 ms (230 Vac) | 20 ms (120 Vac) / 20 ms (230 Vac) |
| Status indication | LED "DC OK" | LED "DC OK" |
| Alarm contact | dry contact, max. 1A @ 24 Vdc (Uout >22.0 Vdc) | dry contact, max. 1A @ 24 Vdc (Uout >22.0 Vdc) |
| Parallel connection | possible | possible |
| Redundant parallel connection | possible with external ORing diode | possible with external ORing diode |
| GENERAL TECHNICAL DATA | | |
| Efficiency | 87% (120 Vac) / 87% (230 Vac) | 85% (120 Vac) / 85% (230 Vac) |
| Dissipated power | 10.8 W (120 Vac) / 10.8 W (230 Vac) | 21.2 W (120 Vac) / 21.2 W (230 Vac) |
| Operating temperature range | -20...+70°C (derating -3 W/°C >50°C) | -20...+70°C (derating -3 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, EN 62368-1 |
| EMC Standards | EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4 | EN 61000-6-2, EN 61000-6-4 |
| Overvoltage category / Pollution degree | II / 2 | II / 2 |
| Protection degree | IP 20 | IP 20 |
| Connection terminal IN/OUT | 2.5 mm ² / 2.5 mm ² | 2.5 mm ² / 2.5 mm ² |
| Housing material | aluminium | aluminium |
| Dimension | 40x115x115 mm | 40x115x115 mm |
| Approximate weight | 400 g | 400 g |
| Mounting information | vertical on a rail, 20 mm from adjacent components | vertical on a rail, 20 mm from adjacent components |
| APPROVALS | | |
| 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 |