

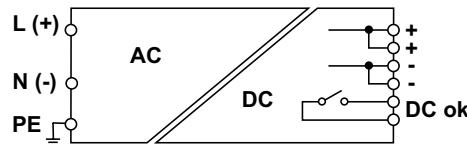
- Single phase and DC input
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Alarm contact
- High overload capability to ensure the protections selectivity and start-up of heavy loads



NOTE

[3] With communication port that allow the connection to the net through the external interface XCCI001MB (product on demand)

Please refer to the datasheet for more details



COMMUNICATION

XCCI001MB is a microprocessor-controlled communication interface that allow the connection to the net and the remote monitoring of the CSL1-480...AB/CSL3-480...AB power supply, by using the ModBus RTU protocol.

The communication Interface can be directly powered by the monitored PSU by the AUX2 port or can be powered by an auxiliary PSU (10 - 30 Vdc). This option allows the remote control of the PSU ON/OFF.

The connection to the ModBus net take place by 2 equivalent RJ-45 port.

| CODE | XCSL1480W024VAB |
|---|--|
| TYPE | CSL1-480W/024V/AB (3) |
| INPUT TECHNICAL DATA | |
| Input rated voltage | 120-230 Vac |
| Input voltage AC | 85...264 Vac |
| Input voltage DC | 100...370 Vdc [derating Uin<130 Vdc] |
| 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 | MCB: C-6 A / Fuse: T-6.3 A |
| OUTPUT TECHNICAL DATA | |
| Output rated voltage | 24 Vdc ±1% |
| Output adjustable range | 20 ... 28 Vdc |
| Continuous current | 20 A at 50°C |
| Overload limiting | 22.5 A (max. 25 A constant current) |
| Short circuit peak current | 35A 300 ms On /800 ms Off (HICCUP mode) |
| Ripple @ nominal ratings | 45 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 |
| Standard / approvals | EN 60950-1 |
| EMC Standards | EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4 |
| Overvoltage category / Pollution degree | II / 2 |
| Protection degree | IP 20 |
| Connection terminal IN/OUT | 4 mm ² / 4 mm ² |
| Housing material | aluminium |
| Dimension | 80x170x127 mm |
| Approximate weight | 1.5 kg |
| Mounting information | vertical on a rail, 20 mm from adjacent components |
| APPROVALS | CE UL PENDING |
| ACCESSORIES | |
| Mounting rail (IEC60715/TH35-7.5) | PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB |
| Mounting rail (IEC60715/TH35-15) | — |
| Marking tag | — |