

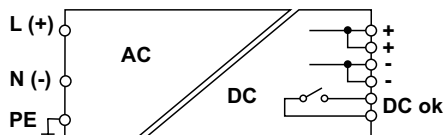
- Single phase and DC input
- Short circuit, overload, input and output overvoltage protections
- Over temperature protection
- Alarm contact
- High overload capability to ensure the protections selectivity and start-up of heavy loads



NOTE

[3] With communication port that allow the connection to the net through the external interface XCI001MB (product on demand)

Please refer to the datasheet for more details



COMMUNICATION

XCI001MB 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 $U_{in} < 130$ 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 $\pm 1\%$
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 ($U_{out} > 21.6$ 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
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	—