



The XCSE1120W024VAA is a robust 120W DIN rail-mounted power supply delivering a stable 24 V DC output for critical industrial automation and control systems. Engineered for high efficiency and durability, it supports a wide input voltage range and advanced protective features for reliable performance in demanding environments.

Key Features:

- 120W Output Power – Provides consistent 24 V DC power for industrial devices and systems.
- DIN Rail Mountable – Compact design for quick and secure installation on 35 mm DIN rails.
- Wide Input Voltage Range – Supports 90–264 V AC, making it versatile for global applications.
- Built-in Safety Protections – Includes overload, overvoltage, and short-circuit protection for reliable operation.
- High Efficiency Design – Reduces energy consumption and heat generation, extending lifespan.

Input Technical Data	
Type	CSE1-120W/024V/AA
Input rated voltage	120–230 V AC
Input voltage AC	90...264 V AC
Input voltage DC	127...370 V DC
Frequency	47...63 Hz
Current consumption	2.8 A (115 V AC) / 1.7 A (230 V AC)
Inrush peak current	25 A (115 V AC) / 35 A (230 V AC)
Power factor	>0.54 (115 V AC) / >0.43 (230 V AC)
Internal protection fuse	T 5 A
External protection on AC line	MCB: C-5 / Fuse: T 5 A

Output Technical Data	
Output voltage range	24 V DC
Output adjustable range	24...28 V DC
Continuous current	5.0 A
Overload limiting	6.0 A
Short circuit peak current	30 A for 100 ms
Ripple @ nominal ratings	120 mVpp
Hold up time	10ms (115 V AC) / 16 ms (230 V AC)
Status indication	LED "DC OK"
Alarm contact	-
Parallel connection	-
Redundant parallel connection	possible with external ORing diode

General Technical Data	
Efficiency	87% (115 V AC) / 88% (230 V AC)
Dissipated power	18.77 W (115 V AC) / 14.02 W (230 V AC)
Operating temperature range	-20°C...+70°C (derating -3 W/°C >50°C)
Input / output isolation	3 kVac / 60 s
Input / ground isolation	2 kVac / 60 s
Output / ground isolation	0.5 kV AC / 60 s
Standard / approvals	EN 62368-1, UL508
EMC Standard	EN 55032, EN/IEC 61000-3-2,3, EN 61000-4-2,3,4,5,6,8,11
Overvoltage category / pollution degree	III / 2
Protection degree	IP 20
Connection terminal	4 mm ² / 4 mm ²
Housing material	aluminium, steel
Dimensions (LxHxD)	40 x 125 x 113.5 mm
Approximate weight	0.55 Kg
Mounting information	vertical on a rail, distance from adjacent components: 40 mm top and bottom, 10 mm left and right
APPROVALS AND MARKINGS	CE, UL LISTED

Accessories	
DIN RAIL (7.5mm or 15mm)	PR003, PR005, PR006, PR007
DIN RAIL End Stops	BT003, BT005, BT007