

## Product No: CP20.241

### PULS DIN RAIL POWER SUPPLY 1 PHASE 24VDC 20A 480W CP20.241

#### FEATURES

- AC 100-240V Wide-range input
- Width only 48mm
- Efficiency up to 95.6%
- Excellent partial load efficiency
- 20% Output power reserves
- Easy fuse breaking - 3 times nominal current for 12ms
- Safe HiccupPLUS overload mode
- Active power factor correction (PFC)
- Minimal inrush current surge
- Full power between -25°C and +60°C
- DC-OK relay contact
- Current sharing feature for parallel use



#### General Information

Brand	PULS
Country of Origin	China / Czech Republic
Customs Tariff Number	85044083
E Classification	E-CS01
Product Type	Single-Phase
Range	DIMENSION
Series	C series
Warranty Period (Months)	36

#### Technical Attributes

Efficiency	95.60%
AC Input Type	Wide-range
Connection Type	Screw terminals
DC-OK Signal	Yes
Derating	12 W/°C
Derating Temperature (°C)	> 60
External Input Fuse Recommendation	B-10 A / C-10 A
Harmonic Correction	Active

### Technical Attributes

Input Inrush Current (A)	10 / 4.5
Input Inrush Current Limitation	Active
Input Voltage Range AC (V)	100-240
Input Voltage Range DC (V)	110-150
Integrated Decoupling Function	No
Maximum Input Voltage DC (V)	150
Maximum Ripple and Noise Voltage (mVpp)	50
Minimum Input Voltage DC (V)	110
Output Current Range (A)	20 - 17.1
Output Power (W)	480
Output Voltage (V)	24-28
Power Factor	0.98
Power Loss (W)	22.1
Power Reserve Type	Power Boost
Power Reserves	20%
Rated Current (A)	20
Special Application	Hazardous location, Semiconductor
Use In Crosslinking	Yes

### Physical Attributes

Conformal Coating	No
Mounting Type	DIN Rail
Operational Temperature Range (°C)	-25 to 70

### Dimensions

Dimensions (mm)	48W x 124H x 127D
Weight (g)	830

### Protection & Standards

Degree of Protection	IP20
Standards and Approvals	ATEX EN 60079, Class I Div. 2 Canada - UL, Class I Div. 2 USA - UL, EU Declaration of Conformity, IECEx IEC 60079, IEC 61010-2-201 CB Scheme, IEC 62368-1 CB Scheme, Korea Certification, SEMI F47, UL 61010-2-201 Canada, UL 61010-2-201 USA, UK Declaration of Conformity