

## Product No: CP20.242

### PULS DIN RAIL POWER SUPPLY 1 PHASE 24V DC CP20.242

#### 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 I current for 12 ms
- Safe Hiccup PLUS 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
- Enhanced DC input



#### 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	6.4 W/°C
Derating Temperature (°C)	+45 to +60
External Input Fuse Recommendation	B-10 A / C-10 A

Harmonic Correction	PFC
Hold Up Time (ms)	32
Input Inrush Current (A)	4.5 / 5.5
Input Inrush Current Limitation	Active
Input Voltage Range AC (V)	100-240
Input Voltage Range DC (V)	110-300
Integrated Decoupling Function	No
Maximum Input Voltage DC (V)	300
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	Semiconductor
Use In Crosslinking	Yes

#### Physical Attributes

Conformal Coating	No
Material	Metal
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

EU Declaration of Conformity, 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

## Resources

Product catalogue (Flipbook)

[Download from here](#)