

## Product No: CP20.241-R2-C1

### PULS POWER SUPPLY, INTEGRATED DECOUPLING CP20.241-R2-C1

#### FEATURES

- AC 100-240V Wide-range input
- Width only 48mm
- Built-in decoupling MOSFET for 1+1 and n+1 redundancy
- Efficiency up to 95.2%
- 20% output power reserves
- Safe HiccupPLUS overload mode
- Easy fuse breaking - 3 times nominal current for 12 ms
- Active power factor correction (PFC)
- Minimal inrush current surge
- Full power between -25°C and +60°C
- DC-OK relay contact
- Current sharing feature included
- Conformal coated



#### General Information

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

#### Technical Attributes

Efficiency	95.20%
AC Input Type	Wide-range
Connection Type	Plug connector
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	Yes
Maximum Input Voltage DC (V)	150
Maximum Ripple and Noise Voltage (mVpp)	50
Minimum Input Voltage DC (V)	110
Minimum Output Current (A)	20
Output Power (W)	480
Output Voltage (V)	24
Power Factor	0.95
Power Loss (W)	24.2
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	Yes
Mounting Type	DIN Rail
Operational Temperature Range (°C)	-40 to 70

### Dimensions

Dimensions (mm)	48W x 124H x 127D
Weight (g)	850

### 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, SEMI F47, UL 61010-2-201 Canada, UL 61010-2-201 USA, UK Declaration of Conformity