

## Product No: CP10.242-R2

### PULS REDUNDANCY POWER SUPPLY 24V DC, 10A CP10.242-R2

#### FEATURES

- DC 110–300V Wide-range input
- Width only 39mm
- Built-in decoupling MOSFET for 1+1 and n+1 redundancy
- Efficiency up to 95.2%
- Excellent partial load efficiency
- 20% output power reserves
- Safe HiccupPLUS overload mode
- Easy fuse breaking due to high overload peak current
- Active power factor correction (PFC)
- Minimal inrush current surge
- Full power between -25°C and +60°C
- DC-OK relay contact
- Extended DC input range



#### General Information

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

#### Technical Attributes

Efficiency	95.20%
AC Input Type	Wide-range
Connection Type	Screw terminals
DC-OK Signal	Yes
Derating	6 W/°C
Derating Temperature (°C)	> +60
External Input Fuse Recommendation	B-6 A / C-6 A
Harmonic Correction	Active

Technical Attributes	
Input Inrush Current (A)	6 / 9
Input Inrush Current Limitation	Active
Input Voltage Range AC (V)	100-240
Input Voltage Range DC (V)	110-300
Integrated Decoupling Function	Yes
Maximum Input Voltage DC (V)	300
Maximum Ripple and Noise Voltage (mVpp)	50
Minimum Input Voltage DC (V)	110
Minimum Output Current (A)	10
Output Power (W)	240
Output Voltage (V)	24
Power Factor	0.97
Power Loss (W)	12.1
Power Reserve Type	Power Boost
Power Reserves	20%
Rated Current (A)	10
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)	39W x 124H x 117D
Weight (g)	600

Protection & Standards	
Degree of Protection	IP20
Standards and Approvals	Class I Div. 2 Canada - CSA, Class I Div. 2 USA - CSA, EU Declaration of Conformity, IECEx IEC 60079, IEC 60950 CB Scheme, 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