

Product No: CPS20.481-D1

PULS DC/DC CONVERTER, 48V, 10A CPS20.481-D1

FEATURES

- 88-360 V DC wide-range input
- Width only 65mm
- Efficiency up to 94.6%
- ATEX and IECEx approved
- Excellent partial load efficiency
- 20% Output power reserves
- Safe HiccupPLUS overload mode
- Easy fuse tripping due to high overload current
- Minimal inrush current surge
- Full power between -25°C and +60°C
- DC-OK relay contact
- Reverse input polarity protected
- Current sharing feature for parallel use



General Information

Brand	PULS
Country of Origin	China / Czech Republic
Customs Tariff Number	85043121
E Classification	E-CS02
Product Type	DC/DC Converter
Range	DIMENSION
Series	C series
Warranty Period (Months)	36

Technical Attributes

Connection Type	Screw terminals
DC-OK Signal	Yes
Derating	12 W/°C
Derating Temperature (°C)	> +60
Efficiency	94.60%
Input Inrush Current (A)	6 / 4
Input Inrush Current Limitation	Active
Input Voltage Range DC (V)	110-300
Integrated Decoupling Function	No

Technical Attributes

Maximum Input Voltage DC (V)	300
Maximum Ripple and Noise Voltage (mVpp)	50
Minimum Input Voltage DC (V)	110
Output Current Range (A)	10 – 8.6
Output Power (W)	480
Output Voltage (V)	48–56
Power Loss (W)	27.4
Power Reserve Type	Power Boost
Power Reserves	20%
Rated Current (A)	10
Special Application	Hazardous location
Use In Crosslinking	Yes

Physical Attributes

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

Dimensions

Dimensions (mm)	65W x 124H x 127D
Weight (g)	940

Protection & Standards

Degree of Protection	IP20
Standards and Approvals	ATEX EN 60079, Class I Div. 2 Canada - CSA, Class I Div. 2 USA - CSA, EU Declaration of Conformity, IECEx IEC 60079, IEC 60950 CB Scheme, UL 508 Canada, UL 508 USA, UL 60950-1 Canada, UL 60950-1 USA, UK Declaration of Conformity