QUINT4-PS/1AC/12DC/15

Power supply unit

Data sheet
108475_en_01

1 Description

QUINT POWER power supplies with SFB Technology and preventive function monitoring ensure superior system availability.

Powerful

- SFB technology: 6 times the nominal current for 15 ms
- Power reserves:
  Static boost of up to 125% (P_N) for a sustained period
  Dynamic boost of up to 200% (P_N) for 5 s

Robust

- Mains buffering ≥ 20 ms
- High degree of electrical immunity, thanks to integrated gas-filled surge arrester (6 kV)

Preventive

- Comprehensive signaling:
  Analog signal, digital signal, relay contact, LED bar graph

Can be ordered pre-configured

- Perform configuration online and order 1 or more units

Technical data (short form)	
Input voltage range	100 V AC ... 240 V AC -15 % ... +10 %
Mains buffering	≥ 50 ms (120 V AC) ≥ 50 ms (230 V AC)
Nominal output voltage (U_N)	12 V DC
Setting range of the output voltage (U_{Set})	12 V DC ... 15 V DC
Nominal output current (I_N) Static Boost ($I_{Stat.Boost}$) Dynamic Boost ($I_{Dyn.Boost}$) Selective Fuse Breaking (I_{SFB})	15 A 17.5 A 20 A (5 s) 60 A (15 ms)
Output power (P_N) Output power ($P_{Stat.\ Boost}$) Output power ($P_{Dyn.\ Boost}$)	180 W 210 W 240 W
Efficiency	typ. 91.2 % (120 V AC) typ. 92 % (230 V AC)
Residual ripple	< 70 mV_{PP}
MTBF (IEC 61709, SN 29500)	> 749000 h (40 °C)
Ambient temperature (operation)	-25 °C ... 70 °C -40°C (startup type tested) > 60 °C Derating: 2.5 %/K
Dimensions W/H/D	50 mm / 130 mm / 125 mm
Weight	1 kg

All technical specifications are nominal values and refer to a room temperature of 25 °C and 70 % relative humidity at 100 m above sea level.