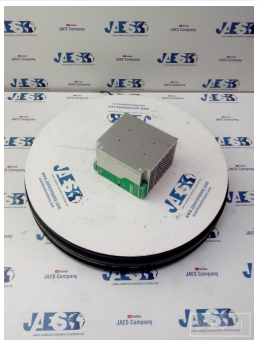
TECHNICAL DATA SHEET

PHOENIX CONTACT

QUINT-PS-100-240AC

FEEDER 100VAC-240VAC; 24VDC; 10A



Input Data	
Nominal input voltage range	**100 V AC ... 240 V AC**
Input voltage range AC	**85 V AC ... 264 V AC**
Input voltage range DC	**90 V DC ... 350 V DC**
Voltage type of supply voltage	**AC/DC**
Inrush current	**< 15 A (typical)**
Inrush current integral (I 2 t)	**< 1.5 A 2 s**
AC frequency range	**45 Hz ... 65 Hz**
Mains buffering time	**> 50 ms (120 V AC)**
Mains buffering time	**> 50 ms (230 V AC)**
Current consumption	**approx. 2.34 A (120 V AC)**
Current consumption	**approx. 1.2 A (230 V AC)**
Nominal power consumption	**264 W**

Output Data	
Efficiency	**> 91 %**
Nominal output voltage	**24 V DC ±1 %**
Setting range of the output voltage (U Set)	**22.5 V DC ... 28.5 V DC**

Output Data (continued)	
Nominal output current (I N)	**10 A (up to 60 °C)**
POWER BOOST (I Boost)	**15 A**
Derating	**60 °C ... 70 °C (2.5 %/K)**
Feedback voltage resistance	**35 V DC**
Protection against overvoltage at the output (OVP)	**≤ 35 V DC**
Max. capacitive load	**unlimited**
Active current limitation	**ca. I BOOST = 15 A (for short-circuit)**
Control deviation	**< 1 % (change in load, static 10 % ... 90 %)**
Control deviation	**< 2 % (change in load, dynamic 10 % ... 90 %)**
Control deviation	**< 0.1 % (change in input voltage ±10 %)**
Residual ripple	**< 60 mV PP (with nominal values)**
Output power	**240 W**

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