

QUINT-PS/ 1AC/48DC/10


Order No.: 2866682



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DIN rail power supply unit 48 V DC/10 A, primary switched-mode, 1-phase. The SFB technology (Selective Fuse Breaking Technology) can now also be used to trigger standard power circuit breakers reliably and quickly.



Commercial data	
EAN	4  046356 307680
Pack	1
Customs tariff	85044081
Country of Origin	TH
Catalog page information	Page 587 (IF-2011)

Product notes

WEEE/RoHS-compliant since: 10/08/2007



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Product description

QUINT POWER power supply units – Maximum system availability with SFB technology

Compact power supply units of the new QUINT POWER generation maximize the availability of your system. With the SFB technology (Selective Fuse Breaking Technology), six times the nominal current for 12 ms, even the standard power circuit-breakers can now also be triggered reliably and quickly. Faulty current paths are switched off selectively, the fault is located and important system parts continue to operate. Comprehensive diagnostics are provided through constant monitoring of output voltage and current. This preventive function monitoring visualizes critical operating modes and reports them to the control unit before an error can occur.

Technical data

Input data

Nominal input voltage	100 V AC ... 240 V AC
AC input voltage range	85 V AC ... 264 V AC
DC input voltage range	90 V DC ... 350 V DC (UL 508: ≤ 250 V DC)
Short-term input voltage	max. 300 V AC
AC frequency range	45 Hz ... 65 Hz
DC frequency range	0 Hz
Current consumption	Approx. 5.1 A (120 V AC) Approx. 2.3 A (230 V AC)
Inrush surge current	< 20 A (typical)
Power failure bypass	> 20 ms (120 V AC) > 20 ms (230 V AC)
Input fuse	12 A (slow-blow, internal)
Permissible backup fuse	B10 B16
Additional text	AC: 1 x circuit breaker - recommended fuse
Type of protection	Transient surge protection
Protective circuit/component	Varistor

Output data

Nominal output voltage	48 V DC ±1%
Setting range of the output voltage	30 V DC ... 56 V DC (> 48 V constant capacity)
Output current	10 A (-25 °C ... 60 °C) 13 A (with POWER BOOST, -25°C ... 40°C permanent) 60 A (SFB technology, 12 ms) 13 A ($U_{in} \geq 100$ V AC)
Magnetic fuse tripping	B6 C4
Derating	60 °C ... 70 °C (2.5%/K)
Connection in parallel	Yes, for redundancy and increased capacity
Connection in series	Yes
Current limitation	$I_{BOOST} = 13$ A (for short-circuit), approximately