



Power supplies for superior system availability

QUINT POWER

Your advantages at a glance

Powerful

- SFB Technology: selectively trips standard circuit breakers – loads connected in parallel continue working
- Dynamic boost: reliable starting of heavy loads, no overdimensioning
- Static boost: easy system expansion with stable DC supply



Preventive

- Indicates critical operating states before errors occur

Robust

- High immunity against electrical and mechanical faults

Efficient

- Sleep mode for energy savings at the consumer end

Adaptive

- Perfect adjustment into the system



QUINT POWER



24 V / 5 A

$$I_N = 5 \text{ A}$$

$$I_{\text{Stat. Boost}} = 6.25 \text{ A}$$

$$I_{\text{Dyn. Boost}} = 10 \text{ A (5 s)}$$

$$I_{\text{SFB}} = 30 \text{ A (15 ms)}$$

QUINT4-PS/
1AC/24DC/5
2904600

QUINT4-PS/
3AC/24DC/5
2904620

Overall width = 36 mm



24 V / 10 A

$$I_N = 10 \text{ A}$$

$$I_{\text{Stat. Boost}} = 12.5 \text{ A}$$

$$I_{\text{Dyn. Boost}} = 20 \text{ A (5 s)}$$

$$I_{\text{SFB}} = 60 \text{ A (15 ms)}$$

QUINT4-PS
1AC/24DC/10
2904601

QUINT4-PS/
3AC/24DC/10
2904621

Overall width = 50 mm



24 V / 20 A

$$I_N = 20 \text{ A}$$

$$I_{\text{Stat. Boost}} = 25 \text{ A}$$

$$I_{\text{Dyn. Boost}} = 30 \text{ A (5 s)}$$










$$I_{\text{SFB}} = 120 \text{ A (15 ms)}$$

QUINT4-PS/
1AC/24DC/20
2904602

QUINT4-PS/
3AC/24DC/20
2904622

Overall width = 70 mm




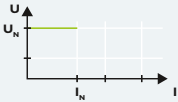
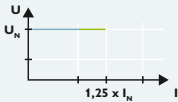
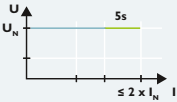
Signaling

		OUT 1 digital	OUT 2 digital	Relay 13/14 floating	OUT 2 analog
					
		16 ... 26 V DC ≤ 30 mA		24 V DC / ≤ 1 A 30 V AC / ≤ 0.5 A	4 ... 20 mA (≤ 30 mA)
Output voltage		<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Output current		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Output power		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Operating hours		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Early warning of high temperature		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Voltage limitation active	OVP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Input voltage OK	AC_{OK}	<input type="radio"/>		<input type="radio"/>	

Default settings



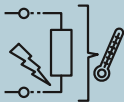

Optional settings

One power supply for all applications

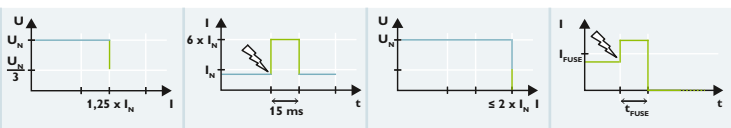
			
Application	Normal load	System expansion	Loads with high inrush current
Your advantages	Reliable power supply	A stable 24 V, even in the event of a sustained overload	No oversized power supply unit required
Operating point			

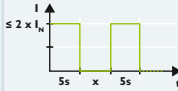
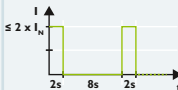

Characteristics

U/I Advanced	✓	✓	✓
Smart HICCUP	✓	✓	✓
FUSE MODE	✓	✓	—

			
Energy storage charging	Selective tripping of fuses	Keeping temperatures low when faults occur	Short circuit, non-fused

Fast charging	Loads connected in parallel continue working	Low thermal stress when faults occur	Enables concepts without fuse
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✓	✓		—
✓	—		—
—	—		✓

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
32825 Blomberg, Germany
Phone: +49 52 35 3-00
Fax: +49 52 35 3-4 12 00
E-mail: info@phoenixcontact.com
phoenixcontact.com