

Your advantages at a glance

Combine the power supply components from Phoenix Contact to create an overall concept and benefit from the advantages of system integration.

One central interface for QUINT POWER and CAPAROC

- Rapid integration into the PROFINET network
- Easy and cost-effective integration of QUINT POWER into the network protocol of the CAPAROC circuit breaker system
- Complete data consistency from the 400 V primary side to the 24 V load supply

Quick and easy configuration

- Direct adoption of the configuration from the control level
- Saves time and avoids user errors

Reduce downtimes to a minimum

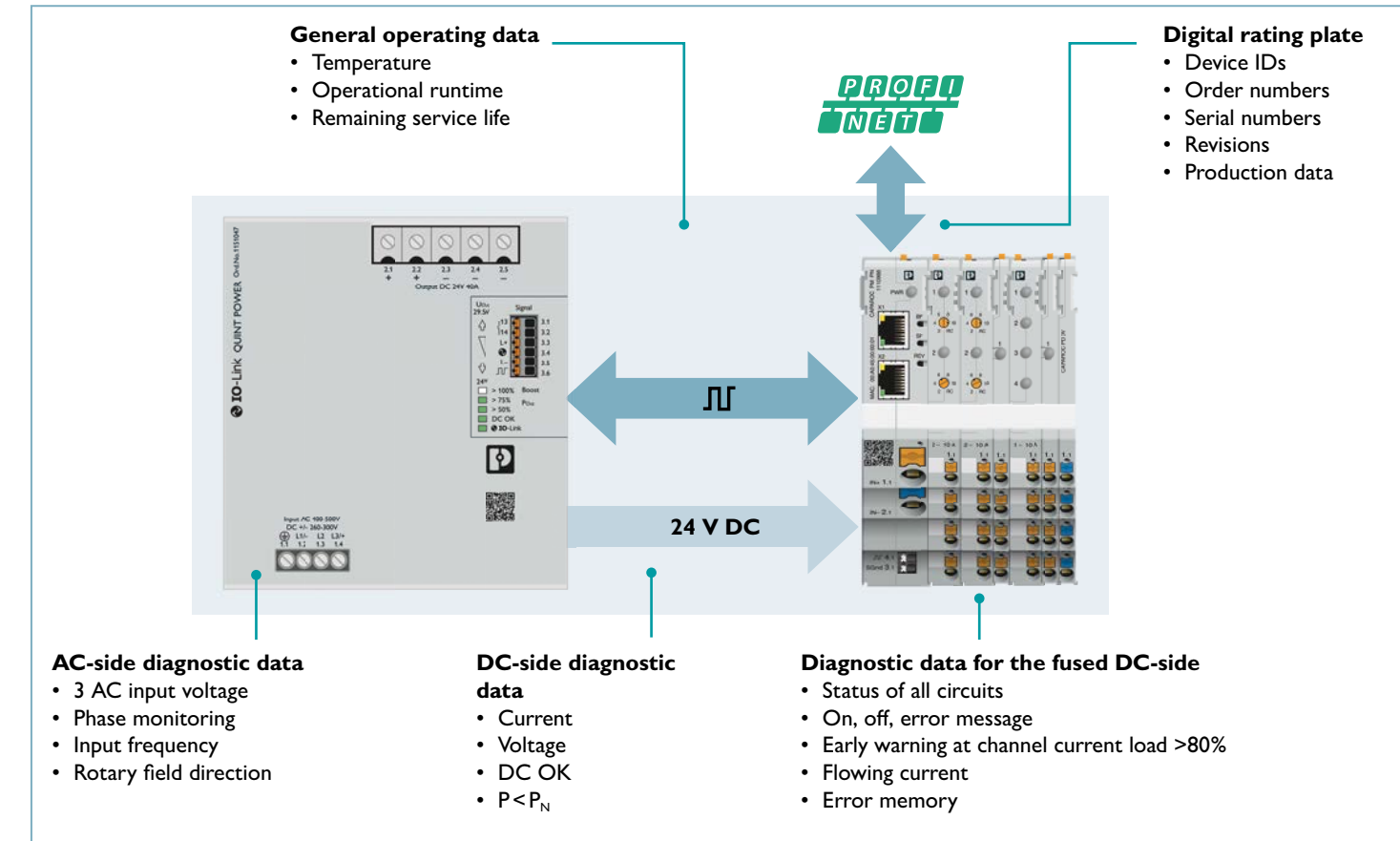
- The communicative system solution optimizes the data transparency of the entire system
- Errors can be detected in good time, localized, and corrected

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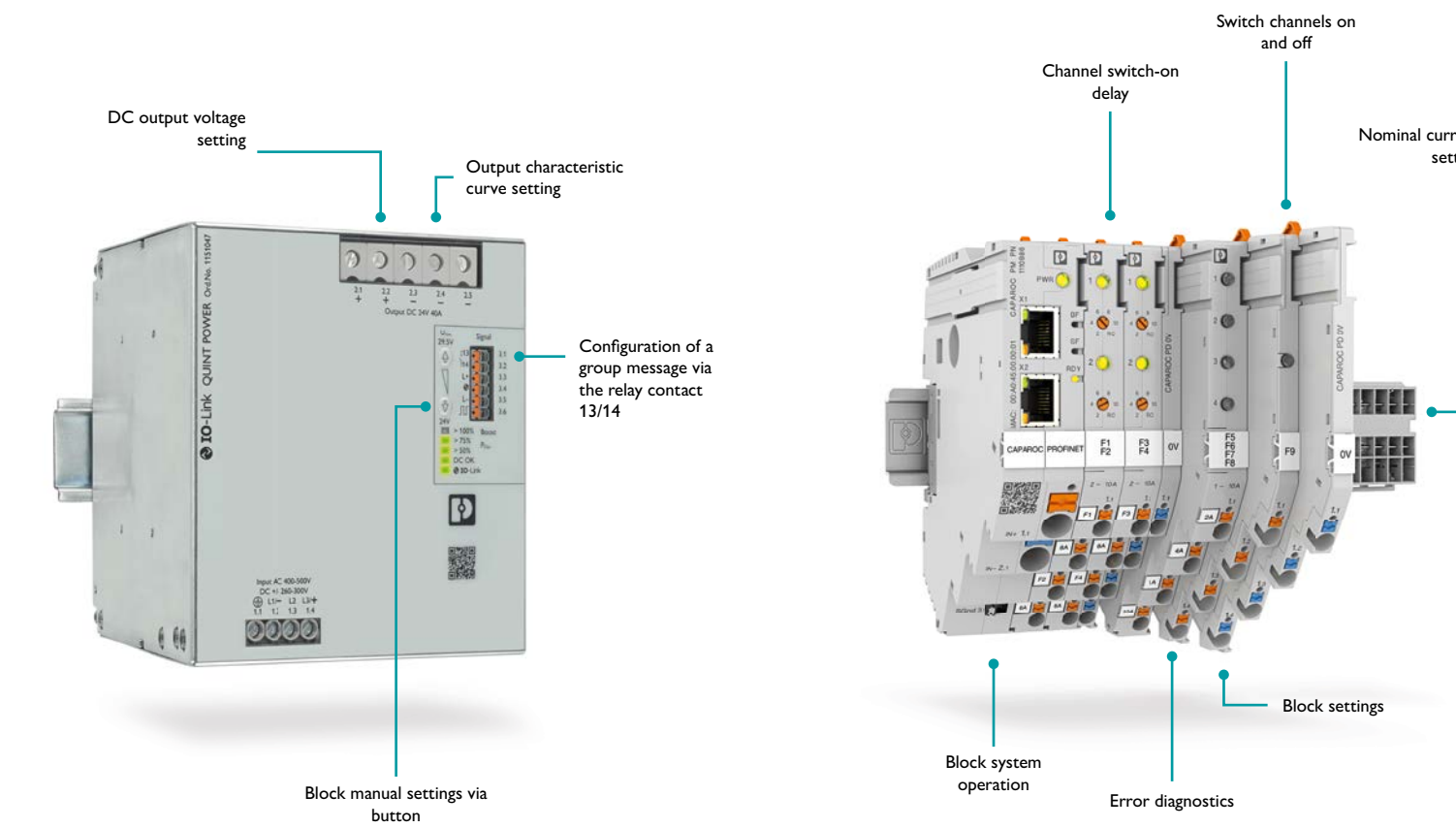
QUINT POWER power supply			IO-Link
24 DC / 20 A	Type	Input	W x H x D
	QUINT4-PS/3AC/24DC/20/IOL	3 x 320 V AC ... 550 V AC 2 x 360 V AC ... 550 V AC +/- 260 V DC ... 300 V DC	70 x 130 x 125 mm
24 DC / 40 A	Type	Input	W x H x D
	QUINT4-PS/3AC/24DC/40/IOL	3 x 320 V AC ... 550 V AC 2 x 360 V AC ... 550 V AC +/- 260 V DC ... 300 V DC	120 x 130 x 125 mm

CAPAROC circuit breaker		
	Type	Description
	CAPAROC power modules	• With PROFINET interface for complete transparency of all data • Status output, I > 80% message • Reset input
	CAPAROC circuit breaker modules	• 1-channel: Maximum modularity with 4 protected outputs • 2-channel: Read off currents directly and set conveniently via rotary switch • 4-channel: Maximum space saving with protection per channel from just 3 mm
	CAPAROC potential distribution module	• Direct integration into the system • Plus and 0 V are established in pairs and are immediately recognizable via the color-coded pushers
	CAPAROC current rails	• Basic current rails • Extension current rails

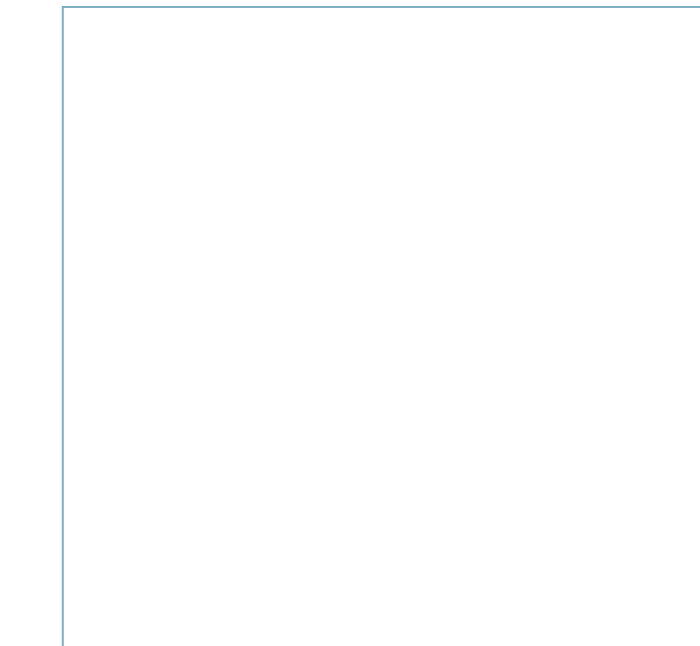
Communicative supply system All data at a glance



Direct configuration from the controller



Notes



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QUINT POWER power supplies – your advantages

- Most powerful output side**
- Static boost of up to 125% for easy system extensions
 - Startup of heavy loads with the dynamic boost of up to 200% – over-dimensioning not necessary
 - SFB Technology selectively trips standard miniature circuit breakers; loads connected in parallel remain in operation

- Robust input side**
- Mains buffering >20 ms
 - High electrical immunity with integrated gas discharge tube (up to 6 kV)
 - Low inrush current

- Long service life >> 15 years**
- High-quality components
 - Optimized arrangement and cooling concept
 - Information on the remaining service life enables needs-based maintenance and effective replacement-part procurement

- Easy system integration**
- Direct integration into the CAPAROC circuit breaker system or QUINT4-UPS

- Easy integration into all industrial networks**
- With the integrated IO-Link interface
- Quick and easy configuration**
- Direct adoption of the configuration via the IO-Link master
 - Time and cost savings during commissioning
 - Minimization of the risk of user errors

- Preventive function monitoring**
- Comprehensive diagnostic options with evaluation of the input and output data as well as the remaining service life
 - Critical operating states are reported before errors arise



CAPAROC circuit breakers – your advantages

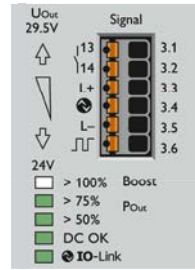
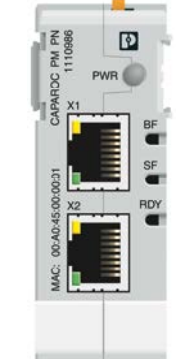
- The benchmark that you can tailor**
- Numerous possible combinations
 - Large selection of individual modules
 - Various power modules
 - 1-, 2-, and 4-channel circuit breaker modules
 - Potential distribution module
 - Current rails designed for modular extension
 - Unlimited compatibility of the modules
 - Can be extended at any time, even during ongoing operation
 - Future system extensions and upgrades
 - Will remain technologically state-of-the-art with future updates

- Particularly simple operation**
- Plug and Play: Intuitive and fast system setup
 - Tool-free mounting, installation, commissioning, and expansion
 - Recognizable and clear visualization of the various states with color-coded LEDs
 - Large-surface marking options
 - Intuitive wiring and clear assignment of plus and minus for each circuit with color-coded push-in contacts
 - Tool-free maintenance without operational interruptions with the rear-sided supply of all modules

- Simple and intuitive design-in**
- Tailor your system in just two steps with the intuitive online configurator
 - Digital services for your tailored system, from data sheets, through 3D files, all the way to marking and EPLAN files
 - Order the entire system with just one individual order number



QUINT POWER and CAPAROC signaling

QUINT POWER power supplies		Normal operation $P_{OUT} < 100\% P_N$	Boost $P_{OUT} > 100\% P_N$	Overload operation $P_{OUT} < 0.9 \times U_{SET}$
	LED: $P_{OUT} > 100\%$			
	LED: $P_{OUT} > 75\%$			
	LED: $P_{OUT} > 50\%$			
	LED: DC OK			
CAPAROC circuit breaker system		Normal operation 10 ... 30 V DC	Beyond the operating voltage range	No operating voltage
	LED: PWR			
		Normal operation Channel switched on	Channel load $I > 80\%$	Overload/short circuit Channel switched off
	LED: Channel			 5 s Triggered: Cooling phase Triggered: Ready for switch on

Further signaling options can be found in the QUINT POWER and CAPAROC data sheets.



Communicative
24 V supply system
QUINT POWER and CAPAROC

