

2904603

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Primary-switched QUINT POWER power supply with free choice of output characteristic curve, SFB (selective fuse breaking) technology, and NFC interface, input: 1-phase, output: 24 V DC/40 $^{\Delta}$

Product description

The fourth generation of the high-performance QUINT POWER power supplies ensures superior system availability by means of new functions. Signaling thresholds and characteristic curves can be individually adjusted via the NFC interface.

The unique SFB technology and preventive function monitoring of the QUINT POWER power supply increase the availability of your application.

Your advantages

- · Most powerful output side: easy system expansion, reliable heavy load startup and miniature circuit breaker tripping
- Most robust input side: high noise immunity, thanks to integrated gas-filled surge arrester (up to 6 kV) and ≥ 20 ms mains failure buffer time
- · Most comprehensive signaling: preventive function monitoring reports critical operating states before errors occur
- · Available pre-configured: from a batch quantity of just 1

Commercial data

Item number	2904603
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CM10
Product key	CMPI13
GTIN	4055626355092
Weight per piece (including packing)	3,250 g
Weight per piece (excluding packing)	2,887 g
Customs tariff number	85044095
Country of origin	TH



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Technical data

Input data

Control input (configurable) Rem	Output power ON/OFF (SLEEP MODE)
Default	Output power ON (>40 k Ω /24 V DC/open bridge between Rem and SGnd)
Coperation	
Network type	Star network
Nominal input voltage range	100 V AC 240 V AC
Input voltage range	100 V AC 240 V AC -15 % +10 %
Electric strength, max.	300 V AC 60 s
Typical national grid voltage	120 V AC
	230 V AC
Voltage type of supply voltage	AC/DC
Inrush current	typ. 12 A (at 25 °C)
Inrush current integral (I ² t)	< 1 A ² s
Inrush current limitation	12 A (after 1 ms)
Frequency range (f _N)	50 Hz 60 Hz -10 % +10 %
	16.7 Hz (acc. to EN 50163)
Mains buffering time	typ. 29 ms (120 V AC)
	typ. 32 ms (230 V AC)
Current consumption	13.6 A (100 V AC)
	10 A (120 V AC)
	5.2 A (230 V AC)
	5.4 A (240 V AC)
Input fuse	16 A (slow-blow, internal)
Recommended breaker for input protection	16 A 20 A (Characteristic B, C, D, K or comparable)
Discharge current to PE	< 3.5 mA
	1.7 mA (264 V AC, 60 Hz)
C operation	
Nominal input voltage range	110 V DC 250 V DC
Input voltage range	110 V DC 250 V DC -18 % +40 %
Voltage type of supply voltage	DC
Current consumption	12 A (110 V DC)
	5 A (250 V DC)

Output data

Efficiency	typ. 94.8 % (120 V AC)
	typ. 95.9 % (230 V AC)
Nominal output voltage	24 V DC
Setting range of the output voltage (U _{Set})	24 V DC 29.5 V DC (constant capacity)
Nominal output current (I _N)	40 A



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Static Boost (I _{Stat.Boost})	45 A
Dynamic Boost (I _{Dyn.Boost})	60 A (5 s)
Selective Fuse Breaking (I _{SFB})	215 A (15 ms)
Magnetic circuit breaker tripping	A1A40 / B2B25 / C1C13 / Z1Z16
Derating	> 60 °C 70 °C (2.5 %/K)
Feedback voltage resistance	≤ 35 V DC
Protection against overvoltage at the output (OVP)	≤ 32 V DC
Control deviation	< 0.5 % (Static load change 10 % 90 %)
	< 1 % (Dynamic load change 10 % 90 %, (10 Hz))
	< 0.25 % (change in input voltage ±10 %)
Residual ripple	< 50 mV _{PP} (with nominal values)
Short-circuit-proof	yes
No-load proof	yes
Output power	960 W
	1080 W
	1440 W
Maximum no-load power dissipation	< 4 W (120 V AC)
	< 4 W (230 V AC)
Power loss nominal load max.	< 50 W (120 V AC)
	< 50 W (230 V AC)
Power dissipation SLEEP MODE	< 3 W (120 V AC)
Power dissipation SLEEF MODE	< 3 W (230 V AC)
Crest factor	typ. 1.5 (120 V AC)
	typ. 1.6 (230 V AC)
Connection in parallel	yes, for redundancy and increased capacity
Connection in series	yes
!	
gnal	Defended astronomical for O. 14, O. 10, and Decision
Signal ground SGnd	Reference potential for Out1, Out2, and Rem
gnal Out 1 (configurable)	
Digital	24 V DC 20 mA
Default	24 V DC 20 mA 24 V DC for U _{Out} > 0.9 x U _{Set}
and Out 2 (soffmuchla)	
gnal Out 2 (configurable)	24 V DC 20 A
Digital	24 V DC 20 mA
Analog	4 mA 20 mA ±5 % (Load ≤400 Ω)
Default	24 V DC 20 mA 24 V DC for P _{Out} < P _N
gnal relay 13/14 (configurable)	
Default	closed (U _{out} > 0.9 U _{Set})
Digital	24 V DC 1 A
	30 V AC/DC 0.5 A

Connection data



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Input

Connection method	Screw connection
Conductor cross-section, rigid min.	0.2 mm ²
Conductor cross-section, rigid max.	6 mm²
Conductor cross-section flexible min.	0.2 mm ²
Conductor cross-section flexible max.	4 mm²
Single conductor/flexible terminal point with ferrule with plastic sleeve, min.	0.25 mm ²
Single conductor/flexible terminal point with ferrule with plastic sleeve, max.	4 mm ²
Single conductor/flexible terminal point with ferrule without plastic sleeve, min.	0.25 mm ²
Single conductor/flexible terminal point with ferrule without plastic sleeve, max.	4 mm ²
Conductor cross-section AWG min.	24
Conductor cross-section AWG max.	10
Stripping length	8 mm
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Output

Connection method	Screw connection
Conductor cross-section, rigid min.	0.5 mm²
Conductor cross-section, rigid max.	16 mm²
Conductor cross-section flexible min.	0.5 mm²
Conductor cross-section flexible max.	16 mm²
Single conductor/flexible terminal point with ferrule with plastic sleeve, min.	0.5 mm ²
Single conductor/flexible terminal point with ferrule with plastic sleeve, max.	16 mm²
Single conductor/flexible terminal point with ferrule without plastic sleeve, min.	0.5 mm ²
Single conductor/flexible terminal point with ferrule without plastic sleeve, max.	16 mm²
Conductor cross-section AWG min.	20
Conductor cross-section AWG max.	6
Stripping length	10 mm
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Signal

Connection method	Push-in connection
Conductor cross-section, rigid min.	0.2 mm ²
Conductor cross-section, rigid max.	1 mm²
Conductor cross-section flexible min.	0.2 mm ²
Conductor cross-section flexible max.	1.5 mm ²
Single conductor/flexible terminal point with ferrule with plastic	0.2 mm²



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sleeve, min.	
Single conductor/flexible terminal point with ferrule with plastic sleeve, max.	0.75 mm²
Single conductor/flexible terminal point with ferrule without plastic sleeve, min.	0.2 mm ²
Single conductor/flexible terminal point with ferrule without plastic sleeve, max.	1.5 mm ²
Conductor cross-section AWG min.	24
Conductor cross-section AWG max.	16
Stripping length	8 mm

Signaling

nal contact al output Out1 (digital, configurable)
al output Out1 (digital, configurable)
al output Out2 (analog, configurable)
ntact
nd SGnd

Signal output

3 • • • • • • • • • • • • • • • • • • •	
P _{Out}	> 100 % (LED lights up yellow, output power > 960 W)
	> 75 % (LED lights up green, output power > 720 W)
	> 50 % (LED lights up green, output power > 480 W)
U _{Out}	> 0.9 x U _{Set} (LED lights up green)
	< 0.9 x U _{Set} (LED flashes green)

Electrical properties

Number of phases	1
Insulation voltage input/output	4 kV AC (type test)
	2 kV AC (routine test)
Insulation voltage output / PE	0.5 kV DC (type test)
	0.5 kV DC (routine test)
Insulation voltage input / PE	2.5 kV AC (type test)
	2.4 kV AC (routine test)
Switching frequency	85.00 kHz 107.00 kHz (Auxiliary converter stage)
	45.00 kHz 200.00 kHz (Main converter stage)
	50.00 kHz 500.00 kHz (PFC stage)

Product properties

Product type	Power supply
Product family	QUINT POWER
MTBF (IEC 61709, SN 29500)	> 934000 h (25 °C)
	> 555000 h (40 °C)
	> 249000 h (60 °C)
Environmental protection directive	RoHS Directive 2011/65/EU
	WEEE



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	Reach
nsulation characteristics	
Protection class	I I
Degree of pollution	2
Life expectancy (electrolytic capacitors)	
Current	20 A
Temperature	40 °C
Time	394000 h
Additional text	120 V AC
Life expectancy (electrolytic capacitors)	
Current	20 A
Temperature	40 °C
Time	452000 h
Additional text	230 V AC
Life expectancy (electrolytic capacitors)	
Current	40 A
Temperature	25 °C
Time	320000 h
Additional text	120 V AC
Life expectancy (electrolytic capacitors)	40.4
Current	40 A
Temperature	25 °C
Time Additional text	422000 h
Additional text	230 V AC
Life expectancy (electrolytic capacitors)	
Current	40 A
Temperature	40 °C
Time	113000 h
Additional text	120 V AC
Life expectancy (electrolytic capacitors)	
Current	40 A
Temperature	40 °C
Time	149000 h
Additional text	230 V AC
mensions	
Width	120 mm
Height	130 mm



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Installation distance right/left	5 mm / 5 mm		
Installation distance top/bottom	50 mm / 50 mm		
Mounting			
Mounting type	DIN rail: 35 mm		
Mounting position	horizontal DIN rail NS 35, EN 60715		
With protective coating	no		

Material specifications

Flammability rating according to UL 94 (housing / terminal blocks)	V0
Housing material	Metal
Hood version	Stainless steel X6Cr17
Side element version	Aluminum

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C 70 °C (> 60 °C Derating: 2,5 %/K)
Ambient temperature (storage/transport)	-40 °C 85 °C
Ambient temperature (start-up type tested)	-40 °C
Maximum altitude	≤ 5000 m (> 2000 m, observe derating)
Climatic class	3K3 (in acc. with EN 60721)
Max. permissible relative humidity (operation)	≤ 95 % (at 25 °C, non-condensing)
Shock	11 ms, 15 g, in each space direction (according to IEC 60068-2-27)
Vibration (operation)	5 Hz 100 Hz resonance search 0.7g, 90 min., resonance frequency 0.7g, 90 min. (in accordance with DNV GL Class A)
Temp code	T4 (-25 +70 °C; > 60 °C, Derating: 2,5 %/K)

Standards and regulations

Rail applications	EN 50121-3-2
	EN 50121-4
	EN 50121-5
	EN 50163
	IEC 62236-3-2
	IEC 62236-4
	IEC 62236-5
HART FSK Physical Layer Test Specification Compliance	Output voltage U _{Out} compliant
HART FSK Physical Layer Test Specification Compliance Standard – Limitation of mains harmonic currents	Output voltage U _{Out} compliant EN 61000-3-2
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Standard – Limitation of mains harmonic currents	EN 61000-3-2
Standard – Limitation of mains harmonic currents Standard - Electrical safety	EN 61000-3-2 IEC 61010-2-201 (SELV)
Standard – Limitation of mains harmonic currents Standard - Electrical safety	EN 61000-3-2 IEC 61010-2-201 (SELV) IEC 61010-1 (SELV)
Standard – Limitation of mains harmonic currents Standard - Electrical safety Standard – Safety extra-low voltage	EN 61000-3-2 IEC 61010-2-201 (SELV) IEC 61010-1 (SELV) IEC 61010-2-201 (PELV)



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Standard - Safety of transformers EN 61558-2-16	Standard - safety for equipment for measurement, control, and laboratory use	
Approval - requirement of the semiconductor industry with regard to mains voltage dips vervoltage category EN 61010-1 EN 62477-1 III (\$ 5000 m) III (\$ 5000 m) III (\$ 5000 m) Provals CSA CAN/CSA-C22.2 No. 60950-1-07 CSA-C22.2 No. 107.1-01 DNV GL Shipbuilding approval SNQ UL approvals UL approvals UL laprovals UL 121201 & CSA C22.2 No. 213-17 Class I, Division 2, Group A, B, C, D T4 (Hazardous Location) C data Electromagnetic compatibility Conformance with EMC Directive 2014/30/EU Low Voltage Directive Conformance with Low Voltage Directive 2014/35/EC EMC requirements for noise emission EN 61000-6-3 EN 61000-6-2 EMC requirements for power supply EMC requirements for power supply EN 61000-6-5 (switching devices) onducted noise emission Standards/regulations Standards/regulations Additional basic standard EN 61000-6-5 (immunity in switching devices). IEC/EN 61850-3 (power supply) olise emission Standards/regulations Additional basic standard EN 61000-6-5 (immunity in switching devices). IEC/EN 61850-3 (power supply) NV GL conducted noise emissions Standards/regulations Additional basic standard EN 61000-6-5 (immunity in switching devices). IEC/EN 61850-3 (power supply) NV GL conducted noise emissions DNV Class A Additional text Area power distribution	Standard - Safety of transformers	EN 61558-2-16
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EN 61010-1		SEMI F47-0706, EN 61000-4-11
EN 62477-1	vervoltage category	
TOVAIS CSA CAN/CSA-C22.2 No. 60950.1-07 CSA-C222.2 No. 107.1-01 Shipbuilding approval DNV GL SIQ UL approvals UL Listed UL. 508 UL 121201 & CSA C22.2 No. 213-17 Class I, Division 2, Group A, B, C, D T4 (Hazardous Location) C data Electromagnetic compatibility Conformance with EMC Directive 2014/30/EU Low Voltage Directive Conformance with Low Voltage Directive 2014/35/EC EMC requirements for noise emission EN 61000-6-3 EN 61000-6-4 EMC requirements for power supply EN 61000-6-2 EMC requirements for power supply IEC 61850-3 (G.H) EN 61000-6-5 (switching devices) onducted noise emission Standards/regulations EN 55016 EN 61000-6-3 (Class B) olise emission Standards/regulations EN 55016 EN 61000-6-3 (Class B) NV GL conducted noise emissions NV GL noise radiation	EN 61010-1	II (≤ 5000 m)
CAN/CSA-C22.2 No. 60950-1-07	EN 62477-1	III (≤ 2000 m)
CSA-C22.2 No. 107.1-01	provals	
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A, B, C, D T4 (Hazardous Location) C data Electromagnetic compatibility Low Voltage Directive Conformance with EMC Directive 2014/30/EU Low Voltage Directive EMC requirements for noise emission EN 61000-6-3 EN 61000-6-4 EMC requirements for noise immunity EN 61000-6-1 EN 61000-6-2 EMC requirements for power supply EN 61000-6-5 (switching devices) IEC 61850-3 (G,H) EN 61000-6-5 (switching devices) IEC 61850-3 (Class B) IEC 61850-3 (Class B) IEC/EN 61850-3 (Class B)	UL approvals	UL Listed UL 508
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EMC requirements for noise emission EMC requirements for noise immunity EMC requirements for noise immunity EMC requirements for noise immunity EMC requirements for power supply EMC for 61000-6-2 EMC requirements for power supply EMC for 61000-6-5 (switching devices) EMC for 61000-6-5 (switching devices) EMC for 61000-6-5 (switching devices) EMC for 61000-6-3 (Class B)	Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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EMC requirements for noise immunity EN 61000-6-1 EN 61000-6-2 EMC requirements for power supply EC 61850-3 (G,H) EN 61000-6-5 (switching devices) IEC 61850-3 (C,H) EN 61000-6-5 (switching devices) IEC 61850-3 (Class B) IEC/EN 61850-3 (power supply) IEC/EN 61850-3 (Class B) IEC/EN 61850-3 (Class B) IEC/EN 61000-6-3 (Class B)	EMC requirements for noise emission	EN 61000-6-3
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EMC requirements for power supply EN 61000-6-5 (switching devices) IEC 61850-3 (G,H) EN 61000-6-5 (switching devices) IEC 61850-3 (G,H) EN 61000-6-5 (switching devices) IEC 61850-3 (G,H) EN 61000-6-3 (Class B) IEC 61850-3 (Power supply) IEC POWER SUPPLIES OF THE POWER SUPPLIES O	EMC requirements for noise immunity	EN 61000-6-1
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EN 61000-6-3 (Class B) NV GL conducted noise emissions DNV Class A Additional text Area power distribution NV GL noise radiation	oise emission	
NV GL conducted noise emissions DNV Class A Additional text Area power distribution NV GL noise radiation	Standards/regulations	EN 55016
DNV Class A Additional text Area power distribution NV GL noise radiation		EN 61000-6-3 (Class B)
Additional text Area power distribution NV GL noise radiation	NV GL conducted noise emissions	
NV GL noise radiation	DNV	Class A
	Additional text	Area power distribution
	NV GL noise radiation	
		Class B



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Additional text	Bridge and deck area
Harmonic currents	
Standards/regulations	EN 61000-3-2
	EN 61000-3-2 (Class A)
Frequency range	0 kHz 2 kHz
Flicker	
Standards/regulations	EN 61000-3-3
Otalida do/regulations	EN 61000-3-3
Frequency range	0 kHz 2 kHz
Electrostatic discharge	
Standards/regulations	EN 61000-4-2
Electrostatic discharge	
Contact discharge	8 kV (Test Level 4)
Discharge in air	15 kV (Test Level 4)
Comments	Criterion A
Electromagnetic HF field	
Standards/regulations	EN 61000-4-3
Electromagnetic HF field	
Frequency range	80 MHz 1 GHz
Test field strength	20 V/m (Test Level 3)
Frequency range	1 GHz 6 GHz
Test field strength	10 V/m (Test Level 3)
Comments	Criterion A
Fast transients (burst)	
Standards/regulations	EN 61000-4-4
Fast transients (burst)	
Input	4 kV (Test Level 4 - asymmetrical)
Output	4 kV (Test Level 4 - asymmetrical)
Signal	4 kV (Test Level 4 - asymmetrical)
Comments	Criterion A
Surge voltage load (surge)	
Standards/regulations	EN 61000-4-5
Standards/regulations	LN 01000-4-3
Surge voltage load (surge)	
Input	typ. 3 kV (Test Level 4 - symmetrical)
	typ. 6 kV (Test Level 4 - asymmetrical)
Output	1 kV (Test Level 3 - symmetrical)
	2 kV (Test Level 3 - asymmetrical)
Signal	4 kV (Test Level 4 - asymmetrical)



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Comments	Criterion A
Conducted interference	
Standards/regulations	EN 61000-4-6
Conducted interference	
Input/output/signal	asymmetrical
Frequency range	0.15 MHz 80 MHz
Comments	Criterion A
Voltage	10 V (Test Level 3)
Power frequency magnetic field	
Standards/regulations	EN 61000-4-8
Frequency	16.7 Hz
	50 Hz
	60 Hz
Test field strength	100 A/m
Additional text	60 s
Comments	Criterion A
Frequency	50 Hz
	60 Hz
Frequency range	50 Hz 60 Hz
Test field strength	1 kA/m
Additional text	3 s
Frequency	0 Hz
Test field strength	300 A/m
Additional text	DC, 60 s
/oltage dips	
Standards/regulations	EN 61000-4-11
Voltage	230 V AC
Frequency	50 Hz
Voltage dip	70 %
Number of periods	0.5 / 1 / 25 / 30 periods
Additional text	Test Level 2
Comments	Criterion A: 0.5 / 1 / 25 / 30 periods
Voltage dip	40 %
Number of periods	5 / 10 / 50 periods
Additional text	Test Level 2
Comments	Criterion A
Voltage dip	0 %
Number of periods	0,5 / 1 / 5 / 50 / 250 periods
Additional text	Test Level 2
Comments	Criterion A: 0.5 / 1 period Criterion B: 5 / 50 / 250 periods



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Standards/regulations	EN 61000-4-9
Test field strength	1000 A/m
Comments	Criterion A
tenuated sinusoidal oscillations (ring wave)	
Standards/regulations	EN 61000-4-12
Input	2 kV (Test Level 4 - symmetrical)
·	4 kV (Test Level 4 - asymmetrical)
Comments	Criterion A
symmetrical conducted disturbance variables	
Standards/regulations	EN 61000-4-16
Test level 1	15 Hz 150 Hz (Test Level 4)
Voltage	30 V 3 V
Test level 2	150 Hz 1.5 kHz (Test Level 4)
Voltage	3 V
Test level 3	1.5 kHz 15 kHz (Test Level 4)
Voltage	3 V 30 V
Test level 4	15 kHz 150 kHz (Test Level 4)
Voltage	30 V
Test level 5	16.7 Hz 50 Hz 60 Hz (Test Level 4)
Voltage	30 V (Permanent)
Test level 6	150 Hz 180 Hz (Test Level 4)
Voltage	30 V (Permanent)
Test level 7	16.7 Hz 50 Hz 60 Hz (Test Level 4)
Voltage	300 V (1 s)
Comments	Criterion A
tenuated oscillating wave	
Standards/regulations	EN 61000-4-18
Input, output (test level 1)	100 kHz 1 MHz (Test Level 3 - symmetrical)
Voltage	1 kV
Input, output (test level 2)	10 MHz
Voltage	1 kV
Input, output (test level 3)	100 kHz 1 MHz (Test Level 3 - asymmetrical)
Voltage	2.5 kV
Signals (test level 1)	100 kHz 1 MHz (Test Level 3 - symmetrical)
Voltage	1 kV
Signals (test level 2)	100 kHz 1 MHz (Test Level 3 - asymmetrical)
Voltage	2.5 kV
	Criterion A



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Test field strength	110 A/m
Test level 1	100 kHz
Test field strength	110 A/m
Test level 2	1 MHz
Comments	Criterion A
Criteria	Normal operating behavior within the specified limits.
Criterion B	Temporary impairment to operational behavior that is corrected by the device itself.
Criterion C	Temporary adverse effects on the operating behavior, which the device corrects automatically or which can be restored by actuating the operating elements.



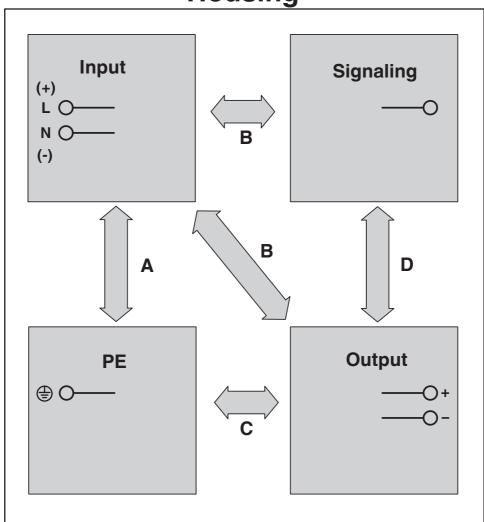
https://www.phoenixcontact.com/us/products/2904603



Drawings

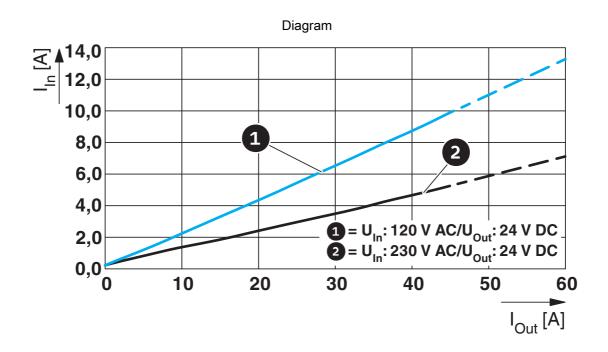
Schematic diagram

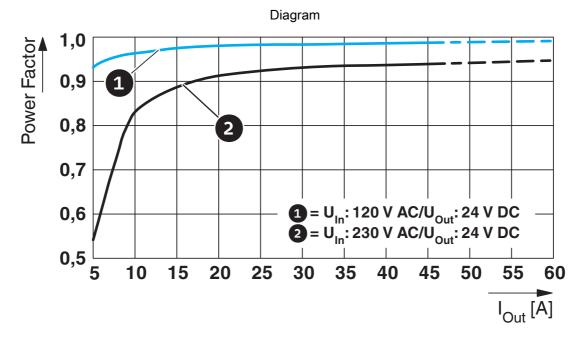
Housing





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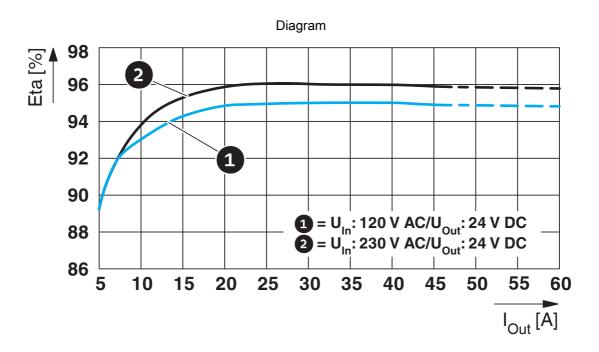




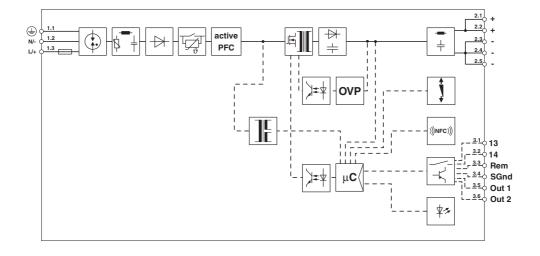


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Block diagram





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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2904603



cUL Recognized

Approval ID: FILE E 211944



UL Recognized

Approval ID: FILE E 211944



IECEE CB Scheme

Approval ID: SI-7434



LR

Approval ID: LR22472797TA



NK

Approval ID: TA21182M

ABS

Approval ID: 20-1973616-PDA



cULus Listed

Approval ID: FILE E 123528

DNV

Approval ID: TAA00000BV



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Approval ID: 44621/B0 BV



cCSAus

Approval ID: 80017552

SEMI F47

Approval ID: SEMI F47



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cUL Listed

Approval ID: FILE E 199827



UL Listed

Approval ID: FILE E 199827



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Classifications

ECLASS

	ECLASS-13.0	27040701
	ECLASS-15.0	27040701
E 1	ГІМ	
	IIVI	
	ETIM 9.0	EC002540
U	NSPSC	
	UNSPSC 21.0	39121000



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-25
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	4654ca05-2cdc-49da-8da0-92691aa78cca



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Accessories

UWA 182/52 - Mounting adapter

2938235

https://www.phoenixcontact.com/us/products/2938235



Universal wall adapter for securely mounting the device in the event of strong vibrations. The device is screwed directly onto the mounting surface. The universal wall adapter is attached on the top/bottom.

UWA 130 - Mounting adapter

2901664

https://www.phoenixcontact.com/us/products/2901664



2-piece universal wall adapter for securely mounting the device in the event of strong vibrations. The profiles that are screwed onto the side of the device are screwed directly onto the mounting surface. The universal wall adapter is attached on the left/right.



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TWN4 MIFARE NFC USB ADAPTER - Programming adapter

2909681

https://www.phoenixcontact.com/us/products/2909681



Near Field Communication (NFC) programming adapter with USB interface for the wireless configuration of NFC-capable products from Phoenix Contact with software. A separate USB driver is not required.

PLT-SEC-T3-230-FM-UT - Type 3 surge protection device

2907919

https://www.phoenixcontact.com/us/products/2907919



Type 2/3 surge protection, consisting of protective plug and base element with screw connection. For single-phase power supply network with integrated status indicator and remote signaling. Nominal voltage: 230 V AC/DC



2904603

https://www.phoenixcontact.com/us/products/2904603

E/AL-NS 35 - End bracket

1201662

https://www.phoenixcontact.com/us/products/1201662



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

PLT-SEC-T3-24-FM-UT - Type 3 surge protection device

2907916

https://www.phoenixcontact.com/us/products/2907916



Type 3 surge protection, consisting of protective plug and base element, with integrated status indicator and remote signaling for single-phase power supply networks. Nominal voltage: 24 V AC/DC



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CBMC E4 24DC/1-4A NO - Electronic circuit breaker

2906031

https://www.phoenixcontact.com/us/products/2906031



Multi-channel electronic circuit breaker for protecting four loads at 24 V DC in the event of overload and short circuit. With electronic locking of the set nominal currents. For installation on DIN rails.

CBMC E4 24DC/1-10A NO - Electronic circuit breaker

2906032

https://www.phoenixcontact.com/us/products/2906032



Multi-channel electronic circuit breaker for protecting four loads at 24 V DC in the event of overload and short circuit. With electronic locking of the set nominal currents. For installation on DIN rails.



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https://www.phoenixcontact.com/us/products/2904603

CBMC E4 24DC/1-4A+ IOL - Electronic circuit breaker

2910410

https://www.phoenixcontact.com/us/products/2910410



Multi-channel electronic circuit breaker with IO-Link interface for protecting four loads at 24 V DC in the event of overload and short circuit. With electronic locking of the set nominal currents. For installation on DIN rails.

CBMC E4 24DC/1-10A IOL - Electronic circuit breaker

2910411

https://www.phoenixcontact.com/us/products/2910411



Multi-channel electronic circuit breaker with IO-Link interface for protecting four loads at 24 V DC in the event of overload and short circuit. With electronic locking of the set nominal currents. For installation on DIN rails.



2904603

https://www.phoenixcontact.com/us/products/2904603

CBM E4 24DC/0.5-10A NO-R - Electronic circuit breaker

2905743

https://www.phoenixcontact.com/us/products/2905743



Multi-channel, electronic circuit breaker with active current limitation for protecting four loads at 24 V DC in the event of overload and short circuit. With nominal current assistant and electronic locking of the set nominal currents. For installation on DIN rails.

CBM E8 24DC/0.5-10A NO-R - Electronic circuit breaker

2905744

https://www.phoenixcontact.com/us/products/2905744



Multi-channel, electronic circuit breaker with active current limitation for protecting eight loads at 24 V DC in the event of overload and short circuit. With nominal current assistant and electronic locking of the set nominal currents. For installation on DIN rails.

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