

2866611

https://www.phoenixcontact.com/in/products/2866611

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Uninterruptible power supply with integrated power supply unit. For lead AGM energy storage of type MINI-BAT/24/DC/1.3 AH, QUINT-BAT/24DC 3.4 AH ... 12 AH nominal capacity. Input: 1-phase, output: 24 V DC / 5 A. Screw connection technology

### **Product Description**

The TRIO UPS module with integrated power supply is particularly space-saving: UPS module and power supply in one housing. Only one energy storage is required to complete the UPS system.

Energy storage with lead AGM technology buffers failures lasting up to two hours with 5 A load current.

### Your advantages

- · Autonomous in the event of AC mains failure the industrial PC continues operating without interruption
- Time-saving when the supply voltage is restored, the industrial PC starts automatically



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### Commercial Data

| Item number                          | 2866611             |
|--------------------------------------|---------------------|
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales Key                            | CMU                 |
| Product Key                          | CMUT13              |
| Catalog Page                         | Page 300 (C-4-2017) |
| GTIN                                 | 4046356311809       |
| Weight per Piece (including packing) | 1,117 g             |
| Weight per Piece (excluding packing) | 1,100 g             |
| Customs tariff number                | 85044030            |
| Country of origin                    | CN                  |



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### **Technical Data**

### Input data

| DC operation |
|--------------|
|--------------|

| Input voltage                              | 24 V DC  |
|--|--|
| Nominal input voltage range                | 100 V AC 240 V AC  |
| Input voltage range                        | 85 V AC 264 V AC (Derating < 90 V AC: 2.5%V)                                     |
|  | 100 V DC 350 V DC (UL508: 100 250 V)   |
| Input voltage range AC                     | 85 V AC 264 V AC (Derating < 90 V AC: 2.5%V)                                     |
| Input voltage range DC                     | 100 V DC 350 V DC (UL508: 100 250 V)   |
| Voltage type of supply voltage             | AC/DC  |
| Inrush current                             | < 44 A (< 1.3 A <sup>2</sup> s)  |
| Inrush current integral (I <sup>2</sup> t) | $< 1.3 \text{ A}^2 \text{s}$   |
| AC frequency range                         | 45 Hz 65 Hz  |
| Frequency range DC                         | 0 Hz   |
| Mains buffering time                       | see diagram  |
| Buffer period                              | 20 min. (5 A)  |
| Rotary selector switch                     | adjustable: 0.5 min; 1 min; 2 min; 3 min; 5 min; 10 min; 15 min; 20 min; PC-Mode |
| Current consumption                        | 0.95 A (230 V AC)  |
|  | 1.1 A (230 V AC, maximum)  |
|  | 1.7 A (120 V AC)   |
|  | 1.8 A (120 V AC, maximum)  |
| Protective circuit                         | Transient surge protection; Varistor   |
| Power factor (cos phi)                     | approx. 0.5  |
| Typical response time                      | 150 ms (230 V AC)  |
|  | 200 ms (120 V AC)  |
| Input fuse                                 | 6.3 A (slow-blow, internal)  |
| Permissible backup fuse                    | B6 B10 B16   |
| Recommended breaker for input protection   | 6 A 16 A (Characteristics B, C, D, K)  |

### Output data

| Efficiency  | > 88 % (230 V AC, network operation)   |
|---|--|
|   | > 86 % (120 V AC, network operation)   |
|   | > 86 % (Battery operation)   |
| Nominal output voltage  | 24 V DC  |
| Setting range of the output voltage ( $\mathbf{U}_{\mathrm{Set}}$ ) | 22.5 V DC 29.5 V DC (Network operation; in the buffer mode, dependent on the battery voltage of 27.9 V DC 19.2 V DC) |
| Nominal output current (I <sub>N</sub> )                            | 5 A (-25 °C 55 °C)   |
| Output current limit  | max. 6 A (Mains operation)   |
| Bridging time   | 3600 s   |
| Derating  | 55 °C 70 °C (2.5%/K)   |
| Feedback voltage resistance   | 35 V DC  |



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| Protection against overvoltage at the output (OVP) | < 35 V DC  |
|--|--|
| Control deviation                                  | < 1 % (change in load, static 10 % 90 %)                             |
| Residual ripple                                    | < 10 mV <sub>PP</sub>  |
| Output power                                       | 120 W  |
| Peak switching voltages nominal load               | < 25 mV <sub>PP</sub>  |
| Power dissipation                                  | 16 W (230 V AC)  |
|  | 20 W (120 V AC)  |
|  | 2 W (Maximum, no load)   |
|  | 4 W (Maximum, nominal load)  |
| Rise time  | < 100 ms   |
| Connection in parallel                             | yes, 2   |
| Connection in series                               | No   |
| ains operation                                     |  |
| Nominal output voltage                             | 24 V DC  |
| Output voltage range                               | 22.5 V DC 29.5 V DC  |
| Nominal output current (I <sub>N</sub> )           | 5 A  |
| ttery operation                                    |  |
| Nominal output voltage                             | 24 V DC  |
| Output voltage range                               | 19.2 V DC 27.6 V DC (U <sub>OUT</sub> = U <sub>BAT</sub> - 0,5 V DC) |
| Nominal output current (I <sub>N</sub> )           | 5 A  |
|  |  |
| gnal   |  |
| Output voltage                                     | + 24 V   |
| gnal: Alarm  |  |
| Output description                                 | Transistor switching output  |
| Maximum switching voltage                          | ≤ 24 V   |
| Output voltage                                     | 24 V   |
| Continuous load current                            | ≤ 200 mA   |
| gnal: Battery charge                               |  |
| Output description                                 | Transistor switching output  |
| Maximum switching voltage                          | ≤ 24 V   |
| Output voltage                                     | 24 V   |
| Continuous load current                            | ≤ 200 mA   |
|  |  |
| gnal: Battery mode                                 |  |
| Output description                                 | Transistor switching output  |
| Maximum switching voltage                          | ≤ 24 V   |
| Output voltage                                     | 24 V   |
| Continuous load current                            | ≤ 200 mA   |
|  |  |
| gnal   |  |



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| Output description                      | Transistor switching output |
|---|-----------------------------|
| Maximum switching voltage               | ≤ 24 V                      |
| Output voltage                          | 24 V                        |
| Continuous load current                 | ≤ 200 mA                    |
| Signal: Battery charge                  |                             |
| Output description                      | Transistor switching output |
| Maximum switching voltage               | ≤ 24 V                      |
| Output voltage                          | 24 V                        |
| Continuous load current                 | ≤ 200 mA                    |
| Signal: Battery mode                    |                             |
| Output description                      | Transistor switching output |
| Maximum switching voltage               | ≤ 24 V                      |
| Output voltage                          | 24 V                        |
| Continuous load current                 | ≤ 200 mA                    |
| Signal                                  |                             |
| Output voltage                          | + 24 V                      |
| · ·                                     |                             |
| Signal: Alarm                           | Torochios Military de la    |
| Output description                      | Transistor switching output |
| Maximum switching voltage               | ≤ 24 V<br>24 V              |
| Output voltage  Continuous load current | ≥4 v<br>≤ 200 mA            |
| Continuous load current                 | ≥ 200 IIIA                  |
| Signal: Battery charge                  |                             |
| Output description                      | Transistor switching output |
| Maximum switching voltage               | ≤ 24 V                      |
| Output voltage                          | 24 V                        |
| Continuous load current                 | ≤ 200 mA                    |
| Signal: Battery mode                    |                             |
| Output description                      | Transistor switching output |
| Maximum switching voltage               | ≤ 24 V                      |
| Output voltage                          | 24 V                        |
| Continuous load current                 | ≤ 200 mA                    |
| Signal                                  |                             |
| Output voltage                          | + 24 V                      |
| Signal: Alarm                           |                             |
| Output description                      | Transistor switching output |
| Maximum switching voltage               | ≤ 24 V                      |
| Output voltage                          | 24 V                        |
| Continuous load current                 | ≤ 200 mA                    |



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| Output description        | Transistor switching output |
|---------------------------|-----------------------------|
| Maximum switching voltage | ≤ 24 V                      |
| Output voltage            | 24 V                        |
| Continuous load current   | ≤ 200 mA                    |

#### Signal: Battery mode

| Output description        | Transistor switching output |
|---------------------------|-----------------------------|
| Maximum switching voltage | ≤ 24 V                      |
| Output voltage            | 24 V                        |
| Continuous load current   | ≤ 200 mA                    |

### Energy storage

| End-of-charge voltage                | 25 V DC 30 V DC (Default 27.6 V DC)                |
|--------------------------------------|--|
| Charge current                       | 1.5 A  |
| Deep discharge protection            | 18 V DC 21 V DC (Default 19.2 V DC)                |
| Memory medium                        | external, battery 1.3 Ah / 3.4 Ah / 7.2 Ah / 12 Ah |
| Battery presence check/time interval | 60 s   |
| Quality check of battery             | 4 h 200 h (Default 12 h)                           |
| Charge characteristic curve          | I/U characteristic curve                           |
| IQ technology                        | no   |
| Temperature compensation             | 0 mV/K 200 mV/K (42 mV/K by default)               |
| Alarm signaling threshold            | 18 V DC 30 V DC (Default 20.4 V DC)                |
| Network management                   | No   |

#### Connection data

#### Input

| Connection method                     | Screw connection    |
|---------------------------------------|---------------------|
| Conductor cross section solid min.    | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.    | 2.5 mm <sup>2</sup> |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max. | 2.5 mm²             |
| Conductor cross section AWG min.      | 24                  |
| Conductor cross section AWG max.      | 12                  |
| Screw thread                          | M3                  |
| Tightening torque, min                | 0.5 Nm              |
| Tightening torque max                 | 0.6 Nm              |

### Output

| Connection method                     | Screw connection    |
|---------------------------------------|---------------------|
| Conductor cross section solid min.    | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.    | 2.5 mm²             |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max. | 2.5 mm²             |
| Conductor cross section AWG min.      | 24                  |
| Conductor cross section AWG max.      | 12                  |



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|      | Stripping length                      | 8 mm                                      |
|------|---------------------------------------|---|
|      | Screw thread                          | M3  |
|      | Tightening torque, min                | 0.5 Nm                                    |
|      | Tightening torque max                 | 0.6 Nm                                    |
| S    | signal                                |   |
|      | Conductor cross section solid min.    | 0.2 mm²                                   |
|      | Conductor cross section solid max.    | 2.5 mm²                                   |
|      | Conductor cross section flexible min. | 0.2 mm²                                   |
|      | Conductor cross section flexible max. | 2.5 mm²                                   |
|      | Conductor cross section AWG min.      | 24  |
|      | Conductor cross section AWG max.      | 12  |
|      | Screw thread                          | M3  |
|      | Tightening torque, min                | 0.5 Nm                                    |
|      | Tightening torque max                 | 0.6 Nm                                    |
| Inte | erfaces                               |   |
|      | Interface                             | IFS (Interface system data port)          |
|      |                                       | , ,                                       |
| LEI  | O signaling                           |   |
|      | Types of signaling                    | LED                                       |
| S    | signal output                         |   |
|      | Status display                        | Green LED                                 |
|      | Note on status display                | Mains voltage OK: Green LED, static at    |
| S    | signal output: Alarm                  |   |
|      | Status display                        | Alarm                                     |
|      | Note on status display                | Red LED, static at                        |
| S    | signal output: Battery charge         |   |
|      | Status display                        | Battery (battery charge) is being charged |
|      | Note on status display                | Yellow LED, flashing                      |
|      |                                       |   |
| S    | ignal output: Battery mode            | D. (1) (1) (1) (1)                        |
|      | Status display                        | Battery operation (Battery Mode)          |
|      | Note on status display                | LED yellow, static at                     |
| Ele  | ctrical properties                    |   |
|      | Insulation voltage input/output       | 4 kV (type test)                          |
|      |                                       | 2 kV (routine test)                       |
|      | Insulation voltage output / PE        | 500 V DC (routine test)                   |
|      | Insulation voltage input / PE         | 2 kV AC (type test)                       |
|      |                                       | 2 kV AC (routine test)                    |
| Pro  | oduct properties                      |   |
|      | Product type                          | Uninterruptible power supply              |
|      | ×1                                    | . 1 117                                   |



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Standards and regulations

Standard - Electrical safety

Standard – Electronic equipment for use in electrical power installations and their assembly into electrical power installations

Standard - Protection against shock currents, basic requirements

Standard - Limitation of mains harmonic currents

for protective separation in electrical equipment

Rail applications

| no  |
|---|
| > 596000 h (40 °C)  |
|   |
| I   |
| 2   |
|   |
| 60 mm   |
| 130 mm  |
| 118 mm  |
|   |
| 0 mm / 0 mm   |
| 50 mm / 50 mm   |
|   |
| DINI roil mounting  |
| DIN rail mounting   |
| alignable: horizontally 0 mm, vertically 50 mm                    |
| horizontal DIN rail NS 35, EN 60715                               |
|   |
| aluminium   |
| Aluminum (AIMg3) + zinc-plated sheet steel, enclosed              |
| Aluminum (AIMg3) / sheet steel, zinc-plated                       |
|   |
|   |
|   |
| IP20  |
| -25 °C 70 °C (> 55° C derating : 2.5%/K)                          |
| -40 °C 80 °C  |
| 3K3 (in acc. with EN 60721)                                       |
| 95 % (at 25 °C, non-condensing)                                   |
| or // (at 25 °C, field conditioning)                              |
| 18 ms, 30g, in each space direction (according to IEC 60068-2-27) |
| 18 ms, 30g, in each space direction (according to IEC 60068-2-    |
|   |

EN 50121-4

EN 61000-3-2

EN 50178

EN 50178/VDE 0160 (PELV)

EN 60950-1/VDE 0805 (SELV)



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| Sta     | andard – Safety extra-low voltage   | EN 60950-1 (SELV)                                  |
|---------|-------------------------------------|--|
|         |                                     | EN 60204 (PELV)                                    |
| Sta     | andard - Safe isolation             | DIN VDE 0100-410                                   |
| pprov   | al data                             |  |
| Shi     | ipbuilding approval                 | DNV GL (EMC B)                                     |
| UL      | approvals                           | UL/C-UL listed UL 508                              |
|         |                                     | UL/C-UL Recognized UL 60950-1                      |
| MC da   | ata                                 |  |
| Lov     | w Voltage Directive                 | Conformance with Low Voltage Directive 2014/35/EC  |
| Ele     | ectromagnetic compatibility         | Conformance with EMC Directive 2014/30/EU          |
| EM      | EMC requirements for noise emission | EN 61000-6-3                                       |
|         |                                     | EN 61000-6-4                                       |
| EM      | IC requirements for noise immunity  | EN 61000-6-1                                       |
|         |                                     | EN 61000-6-2                                       |
| Noi     | ise emission                        | EN 55011 (EN 55022)                                |
| Noi     | ise immunity                        | EN 61000-6-2:2005                                  |
| Electro | ostatic discharge                   |  |
| Sta     | andards/regulations                 | EN 61000-4-2                                       |
| Ног     | using                               | Level 3  |
| Electro | ostatic discharge                   |  |
|         | ntact discharge                     | 6 kV   |
|         | scharge in air                      | 8 kV   |
|         | mments                              | Criterion B  |
| Flectro | omagnetic HF field                  |  |
|         | andards/regulations                 | EN 61000-4-3                                       |
| Sla     | inualusriegulations                 | LN 01000-4-3                                       |
|         | omagnetic HF field                  | 00.001   |
|         | equency range                       | 80 MHz 2 GHz                                       |
|         | st field strength                   | 10 V/m   |
| Cor     | mments                              | Criterion A  |
|         | ransients (burst)                   |  |
| Sta     | andards/regulations                 | EN 61000-4-4                                       |
| Fast tr | ransients (burst)                   |  |
| Inp     | ut                                  | 4 kV (level 4 - asymmetrical: conductor to ground) |
| Out     | tput                                | 2 kV (level 4 - asymmetrical: conductor to ground) |
| Sig     | nal                                 | 1 kV (level 4 - asymmetrical: conductor to ground) |
| Cor     | mments                              | Criterion B  |
| Surae   | voltage load (surge)                |  |
|         | andards/regulations                 | EN 61000-4-5                                       |



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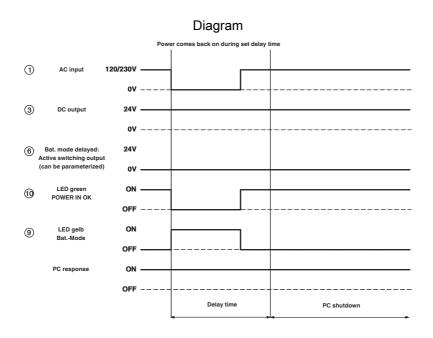
| Conducted interference                           |  |
|--|--|
| Standards/regulations                            | EN 61000-4-6   |
| Conducted interference                           |  |
| I/O/S  | Level 3  |
| Frequency range                                  | 10 kHz 80 MHz  |
| Comments   | Criterion A  |
| Voltage  | 10 V   |
| Voltage dips                                     |  |
| Standards/regulations                            | EN 61000-4-11  |
| Emitted interference                             |  |
| Standards/regulations                            | EN 61000-6-3   |
| Radio interference voltage in acc. with EN 55011 | EN 55011 (EN 55022) Class B, area of application: Industry and residential |
| Emitted radio interference in acc. with EN 55011 | EN 55011 (EN 55022) Class B, area of application: Industry and residential |
|  |  |



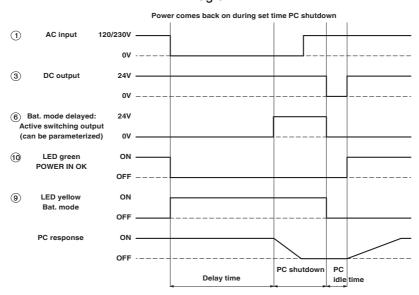
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### **Drawings**

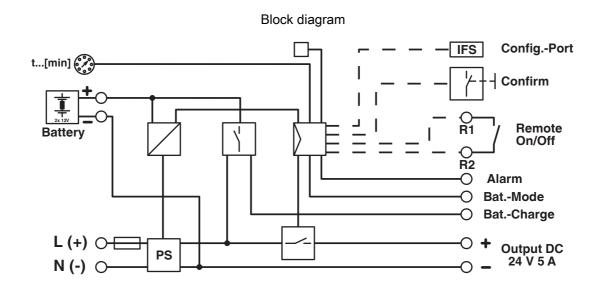


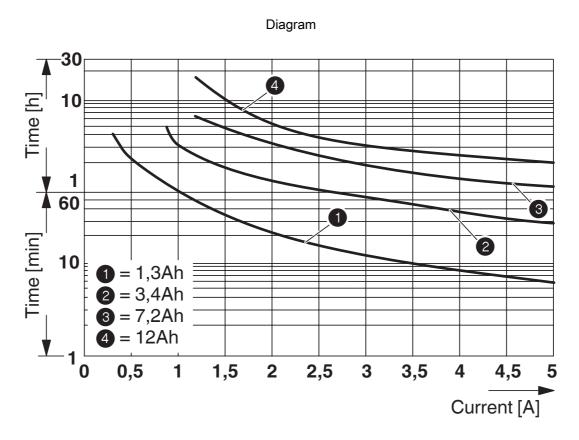
### Diagram





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| Approvals  LUL Recognized  LUL Listed  LUL Listed  LUL Listed  LUL Listed  LUL Listed  LUL Recognized  LUL Recognized | A 1           |                  |  |  |  |
|---|---------------|------------------|--|--|--|
| CUL Listed  UL Listed  EMC  EMC  EAC  UL Recognized  |               |                  |  |  |  |
| © ULListed  ULListed  HI EAC  HI EAC  LAC  LAC  LAC  LAC  LAC  LAC  LAC   | 765           |                  |  |  |  |
| © CUL Listed  © UL Listed  FII EAC  FIII EAC  FIII EAC  FIII EAC  UL Recognized  FIII EAC  FIII EAC   | <b>6</b> 1    | N.W. Doogganizad |  |  |  |
| UL Listed  HI EAC  HI EAC  UL Recognized  UL Recognized  UL Recognized  UL Recognized   | 6 <b>77.</b>  | CL Recognized    |  |  |  |
| UL Listed  ENI EAC  ENI EAC  ENI EAC  ENI EAC  UL Recognized  ENI EAC  UL Recognized  | <b>6</b> .    |                  |  |  |  |
| EHI EAC  EHI EAC  SAL cUL Recognized  THE EAC  EHI EAC  UL Recognized  UL Recognized  UL Listed   | · cl          | JL Listed        |  |  |  |
| EHI EAC  EHI EAC  SAL cUL Recognized  THE EAC  EHI EAC  UL Recognized  UL Recognized  UL Listed   | •             |                  |  |  |  |
| EHI EAC  SAL CUL Recognized  SAL UL Recognized  HI EAC  UL Listed   | <u>u</u> UL   | Listed           |  |  |  |
| HI EAC  UL Recognized  LIC EAC  UL Recognized  UL Recognized  UL Listed   |               |                  |  |  |  |
| EMI EAC  MI EAC  UL Recognized  UL Recognized  UL Listed  | EHL E         | AC               |  |  |  |
| EMI EAC  MI EAC  UL Recognized  UL Recognized  UL Listed  |               |                  |  |  |  |
| CUL Recognized  UL Recognized  EHE EAC  UL Listed   | [A[ E         | AC               |  |  |  |
| CUL Recognized  UL Recognized  EHE EAC  UL Listed   |               |                  |  |  |  |
| UL Recognized  EHE EAC  UL Listed   | [A[ E         | AC               |  |  |  |
| UL Recognized  EHE EAC  UL Listed   |               |                  |  |  |  |
| ENC EAC  UL Listed  | . <b>91</b>   | CUL Recognized   |  |  |  |
| ENC EAC  UL Listed  |               |                  |  |  |  |
| EMI EAC  Dull Listed  | <b>71</b>     | JL Recognized    |  |  |  |
| EHI EAC  © UL Listed  |               |                  |  |  |  |
| © UL Listed   | EAC E         | AC               |  |  |  |
| © UL Listed   |               |                  |  |  |  |
|   | EAL E         | AC               |  |  |  |
|   |               |                  |  |  |  |
| © cUL Listed  | <u>Q</u> UL   | Listed           |  |  |  |
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EAC



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### Classifications

### **ECLASS**

|        | ECLASS-9.0    | 27040705 |  |  |
|--------|---------------|----------|--|--|
|        | ECLASS-10.0.1 | 27040705 |  |  |
|        | ECLASS-11.0   | 27040705 |  |  |
| ETIM   |               |          |  |  |
|        | ETIM 8.0      | EC000382 |  |  |
| UNSPSC |               |          |  |  |
|        | UNSPSC 21.0   | 39121011 |  |  |



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### **Environmental Product Compliance**

| REACh SVHC | Lead 7439-92-1  |
|------------|---|
|            |   |
| China RoHS | Environmentally Friendly Use Period = 25;   |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |



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#### Accessories

### DIN rail adapter

DIN rail adapter - UTA 107 - 2853983

https://www.phoenixcontact.com/in/products/2853983

Universal DIN rail adapter, for screwing on switchgear



#### Fuse

Fuse - SI FORM C 15 A DIN 72581 - 0913676

https://www.phoenixcontact.com/in/products/0913676



Flat-type plug-in fuse, type C, color code: light blue, nominal current: 15 A

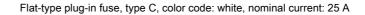


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#### Fuse

Fuse - SI FORM C 25 A DIN 72581 - 0913757 https://www.phoenixcontact.com/in/products/0913757





### Data cable

Data cable - IFS-USB-DATACABLE - 2320500 https://www.phoenixcontact.com/in/products/2320500

Used for communicating between industrial PCs and Phoenix Contact devices with the 12-pos. IFS data port, such as QUINT UPS or TRIO UPS.





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#### Programming adapter

Programming adapter - IFS-USB-PROG-ADAPTER - 2811271 https://www.phoenixcontact.com/in/products/2811271



Programming adapter with USB interface, for programming with software. The USB driver is included in the software solutions for the products to be programmed, such as measuring transducers or motor managers.

### Mounting adapter

Mounting adapter - QUINT-PS-ADAPTERS7/2 - 2938206 https://www.phoenixcontact.com/in/products/2938206

Assembly adapter for QUINT POWER 10A on S7-300 rail





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https://www.phoenixcontact.com/in/products/2866611

### Mounting adapter

Mounting adapter - UWA 182/52 - 2938235

https://www.phoenixcontact.com/in/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.

#### Memory block

Memory block - IFS-CONFSTICK-L - 2901103

https://www.phoenixcontact.com/in/products/2901103



Multi-functional memory block with handle for the INTERFACE system; for easy storage and back up of the configuration.



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### Memory block

Memory block - IFS-CONFSTICK - 2986122

https://www.phoenixcontact.com/in/products/2986122



Multi-functional memory block for the INTERFACE system for easy storage and backup of the configuration.

### **Energy storage**

Energy storage - MINI-BAT/24DC/1.3AH - 2866417 https://www.phoenixcontact.com/in/products/2866417

Energy storage device, lead AGM, VRLA technology, 24 V DC, 1.2 Ah.





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### Energy storage

Energy storage - QUINT-BAT/24DC/ 3.4AH - 2866349 https://www.phoenixcontact.com/in/products/2866349



Energy storage device, lead AGM, VRLA technology, 24 V DC, 4 Ah. Connection via pin cable lug.

#### Energy storage

Energy storage - QUINT-BAT/24DC/ 7.2AH - 2866352 https://www.phoenixcontact.com/in/products/2866352



Energy storage device, lead AGM, VRLA technology, 24 V DC, 7.2 Ah. Connection via pin cable lug, 14 mm.



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https://www.phoenixcontact.com/in/products/2866611

### Energy storage

Energy storage - QUINT-BAT/24DC/12AH - 2866365 https://www.phoenixcontact.com/in/products/2866365



Energy storage device, lead AGM, VRLA technology, 24 V DC, 12 Ah. Connection via pin cable lug, 14 mm.

#### Energy storage

Energy storage - UPS-BAT/VRLA/24DC/1.3AH - 2320296 https://www.phoenixcontact.com/in/products/2320296



Energy storage device, lead AGM, VRLA technology, 24 V DC, 1.3 Ah, tool-free battery replacement, automatic detection, and communication with QUINT UPS-IQ



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### **Energy storage**

Energy storage - UPS-BAT/VRLA/24DC/3.4AH - 2320306 https://www.phoenixcontact.com/in/products/2320306



Energy storage device, lead AGM, VRLA technology, 24 V DC, 3.4 Ah, tool-free battery replacement, automatic detection, and communication with QUINT UPS-  $_{\rm IO}$ 

#### Energy storage

Energy storage - UPS-BAT/VRLA/24DC/7.2AH - 2320319 https://www.phoenixcontact.com/in/products/2320319



Energy storage device, lead AGM, VRLA technology, 24 V DC, 7.2 Ah, tool-free battery replacement, automatic detection, and communication with QUINT UPS-IQ



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#### Energy storage

Energy storage - UPS-BAT/VRLA/24DC/12AH - 2320322 https://www.phoenixcontact.com/in/products/2320322



Please use the following item in new systems: 1274119.

Energy storage device, lead AGM, VRLA technology, 24 V DC, 12 Ah, tool-free battery replacement, automatic detection, and communication with QUINT UPS-IO

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