

## Product change notification (PCN)

|                                    |                                                                                                                                                                                                                                                              |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title / short description</b>   | New Marine Approvals (LR, NK, BV, ABS, Rina) UKCA added KC added Compatibility with new batteries (UPS-BAT/LI..., UPS-BAT/PB...). Glued RJ45 connector replaced by THR connector new memory on comboard (EC/EIP), webserver added Bugfixing added functions. |
| <b>Affected article category</b>   | Power supplies and UPS                                                                                                                                                                                                                                       |
| <b>Change category</b>             | Software modification, Marking, Function                                                                                                                                                                                                                     |
| <b>Change number</b>               | CCM250192-05_06                                                                                                                                                                                                                                              |
| <b>Reason for PCN/PDN Revision</b> |                                                                                                                                                                                                                                                              |

### Purpose/objective of the change

New Marine Approvals (LR, NK, BV, ABS, Rina)UKCA addedKC addedCompatibility with new batteries (UPS-BAT/LI..., UPS-BAT/PB...)Glued RJ45 connector replaced by THR RJ45 connectornew memory on comboard (EC/EIP), webserver addedBugfixingadded functions

### Detailed description of the change

Article numbers:

EC devices (EtherCat): 2906996, 2907070, 2907076, 2907081

EIP devices (Ethernet/IP): 2906994, 2907069, 2907074, 2907080

PN devices (Profinet): 2906993, 2907068, 2907073, 2907079

USB devices: 2906991, 2907067, 2907072, 2907078

Devices without interface: 2906990, 2907066, 2907071, 2907077

VC05:

- New approvals available:

- UKCA

- KC

- LR, NK, BV, ABS, Rina

- New THR RJ45 connector on EC-, EIP- and PN devices

- New memory on EC- and EIP devices

- New version of GSDML for PN devices

Added functions

- o Direct data connection with QUINT POWER power supplies (IOL) possible

- UPS provides PS data via interface

- PS receives relevant data from UPS, accessible via IOL

- o maximum charging current get set from battery to ensure compatibility with new battery modules

- o Webserver added (EIP devices only)

- o Power reset added: settable Timer to turn on UPS output after manual cut off (EC-, EIP- and PN devices)

- o Manual restart option after overload (USB, EC-, EIP- and PN devices) (can be activated by Bit 1040.7)

- o Internal charger defect alarm added (compliant with EN 54-4)

- o Resistance check of battery circuit added (USB, EC-, EIP- and PN devices)

Enhanced functions

- o Minimum permissible battery capacity adjusted

- o Optimization of SOC fast initialisation

- o Signaling of production mode via flashing Alarm LED (>= FW.2.0.3)

- Optimized testing time in production mode (>= FW.2.0.4)

- Alternative: Optimization for production process (>= FW.2.0.4)

- o Optimization of SOH at factory reset (>= FW.2.0.3)

- o Optimization for parallel operation of batteries (>= FW.2.0.3)

- fast and safe switching of output on Bat.-Start

- fast and reliable identification of parallel connected batteries on Bat.-Start
  - New paper package for 5A, 10A, 20A devices
- VC06
- Enhanced functions
- Changed storage location of device identification data (e.g. MAC-address)
  - Optimization of start up and shut down behaviour

#### Identifying characteristics

Version charge V/C on product and packaging label.

FW-Version is printed on the lower right part of the side label

|                                  |            |                                 |   |
|----------------------------------|------------|---------------------------------|---|
| <b>Start of Production (SOP)</b> | 2025-11-15 | <b>Last Time Delivery (LTD)</b> | - |
| <b>Effective date (EOP)</b>      | 2025-11-15 | <b>End of Service (EOSR)</b>    | - |
| <b>End of Sales (EOS)</b>        | -          |                                 |   |

#### Short-term change (< 6 months) or discontinuation (< 12 months), due to:

- |                                                                |                                                                                |                                                        |
|----------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------|
| <input checked="" type="checkbox"/> Software / Firmware Bugfix | <input checked="" type="checkbox"/> Short-term delivery stop by supplier       | <input type="checkbox"/> Short-term recall by supplier |
| <input type="checkbox"/> Force majeure                         | <input checked="" type="checkbox"/> Product improvement with customer benefits |                                                        |
| <input type="checkbox"/> Others                                |                                                                                |                                                        |

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#### Attachments

- Material\_list.csv
- PCN-CCM250192-05\_06\_EN

## Material list

| Item no. | Item Type                   | Hardware old | Firmware new | Item no. | Substitute item Type |
|----------|-----------------------------|--------------|--------------|----------|----------------------|
| 2907081  | QUINT4-UPS/24DC/24DC/40/EC  | 04           | 06           |          |                      |
| 2906990  | QUINT4-UPS/24DC/24DC/5      | 04           | 06           |          |                      |
| 2906991  | QUINT4-UPS/24DC/24DC/5/USB  | 04           | 06           |          |                      |
| 2906993  | QUINT4-UPS/24DC/24DC/5/PN   | 04           | 06           |          |                      |
| 2906994  | QUINT4-UPS/24DC/24DC/5/EIP  | 04           | 06           |          |                      |
| 2906996  | QUINT4-UPS/24DC/24DC/5/EC   | 04           | 06           |          |                      |
| 2907066  | QUINT4-UPS/24DC/24DC/10     | 04           | 06           |          |                      |
| 2907067  | QUINT4-UPS/24DC/24DC/10/USB | 04           | 06           |          |                      |
| 2907068  | QUINT4-UPS/24DC/24DC/10/PN  | 04           | 06           |          |                      |
| 2907069  | QUINT4-UPS/24DC/24DC/10/EIP | 04           | 06           |          |                      |
| 2907070  | QUINT4-UPS/24DC/24DC/10/EC  | 04           | 06           |          |                      |
| 2907071  | QUINT4-UPS/24DC/24DC/20     | 04           | 06           |          |                      |
| 2907072  | QUINT4-UPS/24DC/24DC/20/USB | 04           | 06           |          |                      |
| 2907073  | QUINT4-UPS/24DC/24DC/20/PN  | 04           | 06           |          |                      |
| 2907074  | QUINT4-UPS/24DC/24DC/20/EIP | 04           | 06           |          |                      |
| 2907076  | QUINT4-UPS/24DC/24DC/20/EC  | 04           | 06           |          |                      |
| 2907077  | QUINT4-UPS/24DC/24DC/40     | 04           | 06           |          |                      |
| 2907078  | QUINT4-UPS/24DC/24DC/40/USB | 04           | 06           |          |                      |
| 2907079  | QUINT4-UPS/24DC/24DC/40/PN  | 04           | 06           |          |                      |
| 2907080  | QUINT4-UPS/24DC/24DC/40/EIP | 04           | 06           |          |                      |

Phoenix Contact Art.Nr.;Phoenix Contact Art.Bez.;Bemerkung

|         |                                            |               |                       |
|---------|--------------------------------------------|---------------|-----------------------|
| 2907081 | ;QUINT4-UPS/24DC/24DC/40/EC;HW/FW alt: 04  | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2906990 | ;QUINT4-UPS/24DC/24DC/5;HW/FW alt: 04      | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2906991 | ;QUINT4-UPS/24DC/24DC/5/USB;HW/FW alt: 04  | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2906993 | ;QUINT4-UPS/24DC/24DC/5/PN;HW/FW alt: 04   | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2906994 | ;QUINT4-UPS/24DC/24DC/5/EIP;HW/FW alt: 04  | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2906996 | ;QUINT4-UPS/24DC/24DC/5/EC;HW/FW alt: 04   | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907066 | ;QUINT4-UPS/24DC/24DC/10;HW/FW alt: 04     | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907067 | ;QUINT4-UPS/24DC/24DC/10/USB;HW/FW alt: 04 | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907068 | ;QUINT4-UPS/24DC/24DC/10/PN;HW/FW alt: 04  | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907069 | ;QUINT4-UPS/24DC/24DC/10/EIP;HW/FW alt: 04 | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907070 | ;QUINT4-UPS/24DC/24DC/10/EC;HW/FW alt: 04  | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907071 | ;QUINT4-UPS/24DC/24DC/20;HW/FW alt: 04     | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907072 | ;QUINT4-UPS/24DC/24DC/20/USB;HW/FW alt: 04 | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907073 | ;QUINT4-UPS/24DC/24DC/20/PN;HW/FW alt: 04  | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907074 | ;QUINT4-UPS/24DC/24DC/20/EIP;HW/FW alt: 04 | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907076 | ;QUINT4-UPS/24DC/24DC/20/EC;HW/FW alt: 04  | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907077 | ;QUINT4-UPS/24DC/24DC/40;HW/FW alt: 04     | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907078 | ;QUINT4-UPS/24DC/24DC/40/USB;HW/FW alt: 04 | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907079 | ;QUINT4-UPS/24DC/24DC/40/PN;HW/FW alt: 04  | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |
| 2907080 | ;QUINT4-UPS/24DC/24DC/40/EIP;HW/FW alt: 04 | HW/FW neu: 06 | eCl@ss 13.0: 27040705 |

Kunde;Name 1;Name 2;Name 3;Name 4;Straße;PLZ;Stadt;Phoenix Contact Art.Nr.;

Phoenix Contact Art.Bez.;Ihre Materialnr.;Menge 2023 ST;Menge 2024 ST;Menge 2025 ST;AE 2025 ST

Inc.,,,,Ganghoferstraße 34;82216;Maisach;2907069 ;QUINT4-UPS/24DC/24DC/10/EIP;;20 ST;17- ST;;

Inc.,,,,Ganghoferstraße 34;82216;Maisach;2907071 ;QUINT4-UPS/24DC/24DC/20;;33 ST;12 ST;;

49786 ;TTI

49786 ;TTI

Item no.;Type;old;new;Substitute item;Replacement product designation;eCl@ss 13.0;  
2907081;QUINT4-UPS/24DC/24DC/40/EC;04;06;;;27040705;  
2906990;QUINT4-UPS/24DC/24DC/5;04;06;;;27040705;  
2906991;QUINT4-UPS/24DC/24DC/5/USB;04;06;;;27040705;  
2906993;QUINT4-UPS/24DC/24DC/5/PN;04;06;;;27040705;  
2906994;QUINT4-UPS/24DC/24DC/5/EIP;04;06;;;27040705;  
2906996;QUINT4-UPS/24DC/24DC/5/EC;04;06;;;27040705;  
2907066;QUINT4-UPS/24DC/24DC/10;04;06;;;27040705;  
2907067;QUINT4-UPS/24DC/24DC/10/USB;04;06;;;27040705;  
2907068;QUINT4-UPS/24DC/24DC/10/PN;04;06;;;27040705;  
2907069;QUINT4-UPS/24DC/24DC/10/EIP;04;06;;;27040705;  
2907070;QUINT4-UPS/24DC/24DC/10/EC;04;06;;;27040705;  
2907071;QUINT4-UPS/24DC/24DC/20;04;06;;;27040705;  
2907072;QUINT4-UPS/24DC/24DC/20/USB;04;06;;;27040705;  
2907073;QUINT4-UPS/24DC/24DC/20/PN;04;06;;;27040705;  
2907074;QUINT4-UPS/24DC/24DC/20/EIP;04;06;;;27040705;  
2907076;QUINT4-UPS/24DC/24DC/20/EC;04;06;;;27040705;  
2907077;QUINT4-UPS/24DC/24DC/40;04;06;;;27040705;  
2907078;QUINT4-UPS/24DC/24DC/40/USB;04;06;;;27040705;  
2907079;QUINT4-UPS/24DC/24DC/40/PN;04;06;;;27040705;  
2907080;QUINT4-UPS/24DC/24DC/40/EIP;04;06;;;27040705;