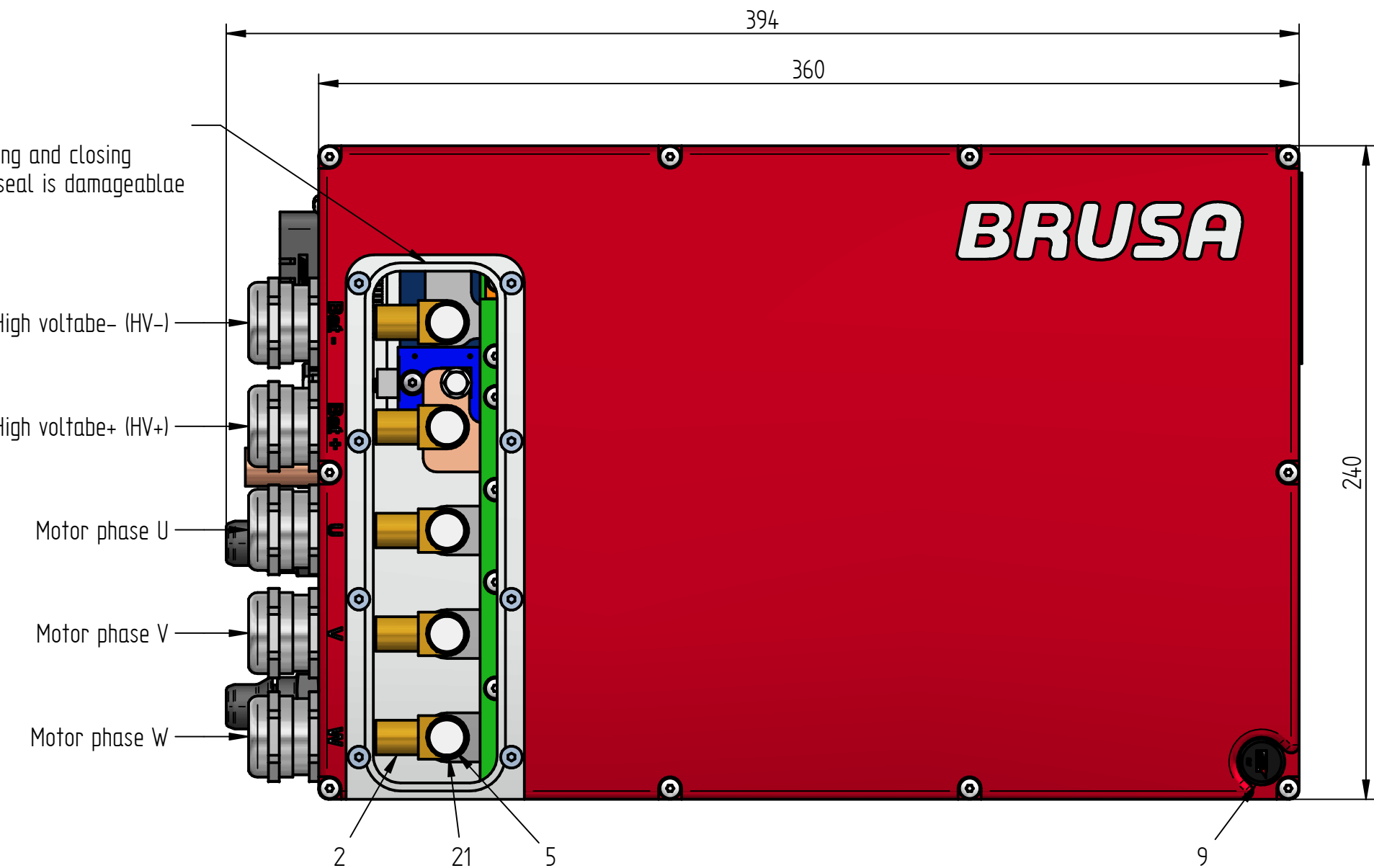
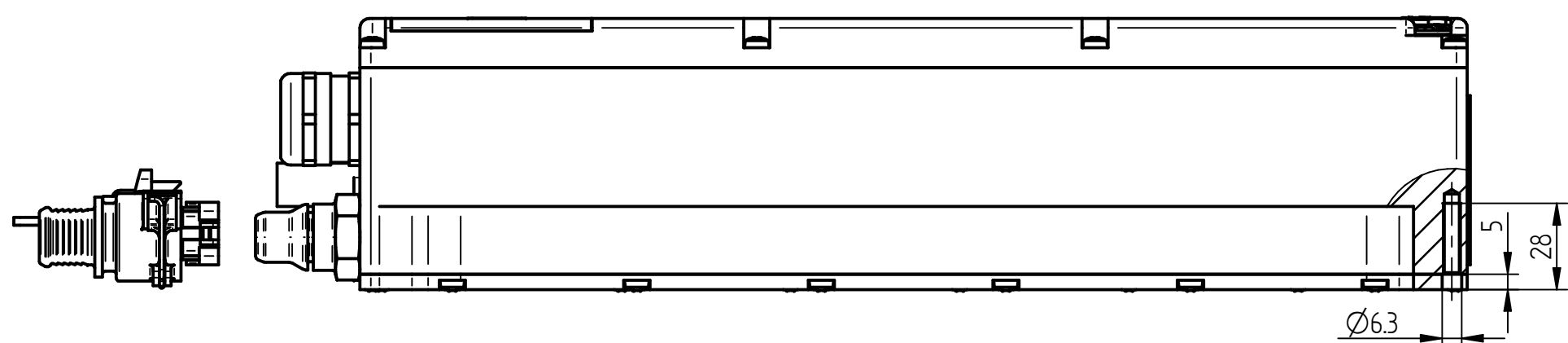
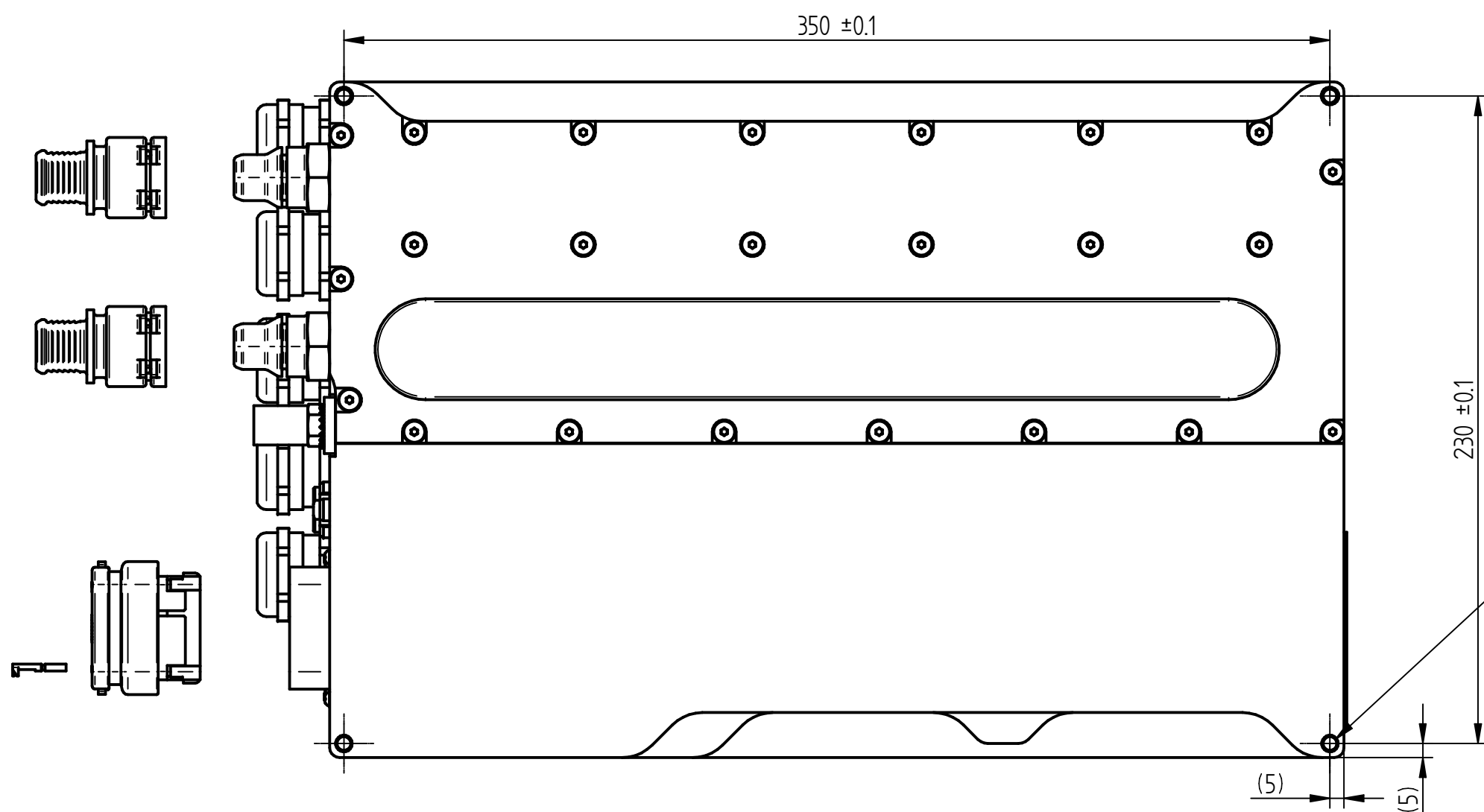


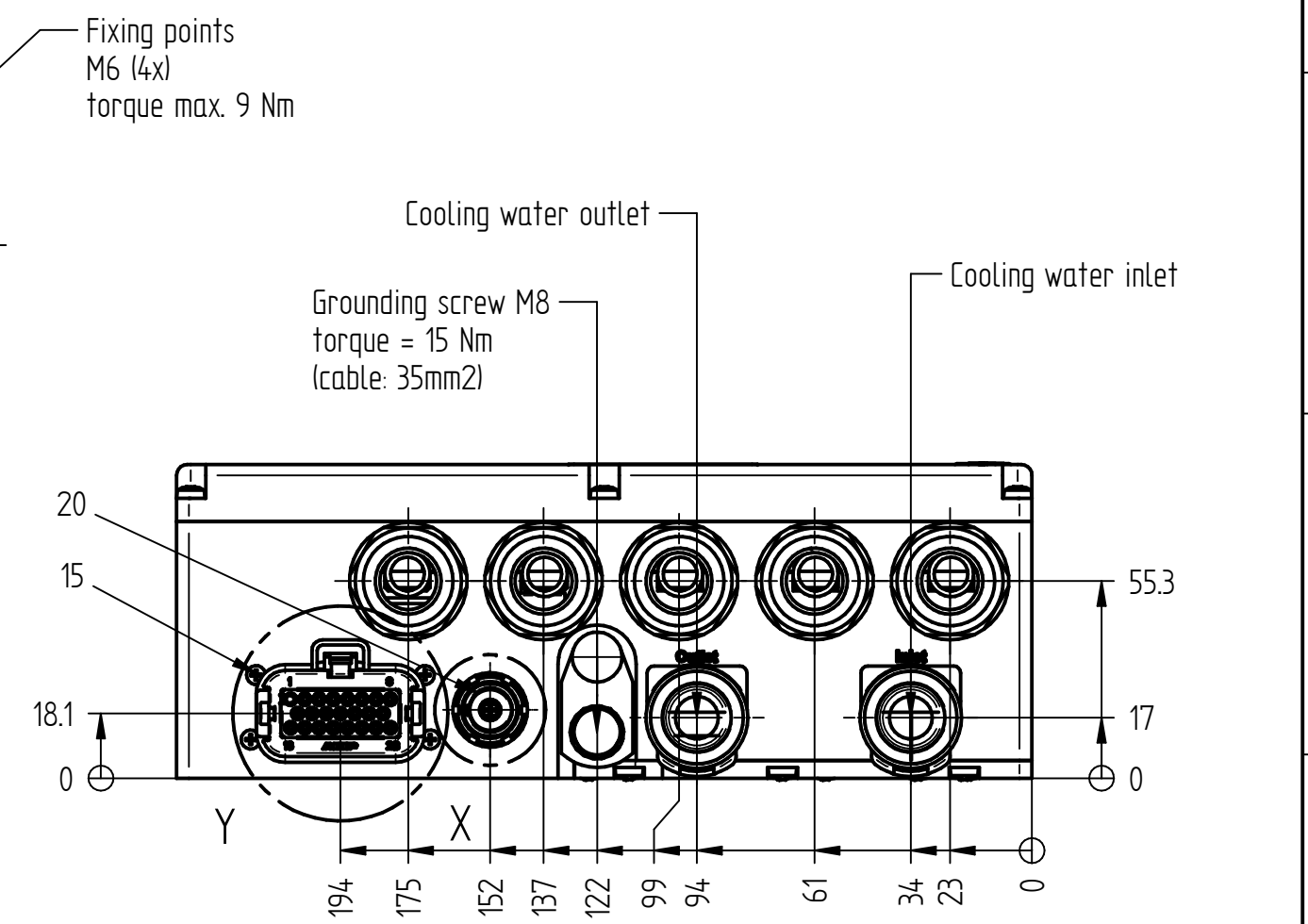
|            |  |            |                               |
|------------|--|------------|-------------------------------|
| 1. POS3    | 6 bit absolute position bit 3                  | 2. POS4    | 6 bit absolute position bit 4 |
| 3. POS5    | 6 bit absolute position bit 6                  | 4. GND-NTC | Ground NTC / PTC              |
| 5. NTC     | Motor temperature sensor                       | 6. PTC     | Motor overheat switch-off     |
| 7. VCC-GEB | Motor sensor- supply voltage 6 V <sub>DC</sub> | 8. POS0    | 6 bit absolute position bit 0 |
| 9. POS1    | 6 bit absolute position bit 1                  | 10. POS2   | 6 bit absolute position bit 2 |
| 11. GND    | Ground   | 12. MOTB   | Motor B (incremental)         |
| 13. MOTA   | Motor A (incremental)                          | 14. UPD    | Position update data          |
| 15. —      | Centering groove                               |            |                               |

|               |   |               |   |
|---------------|---|---------------|---|
| 1. GND*       | Ground (Minus wiring system, terminal 31)                   | 2. AUX*       | +12 V (Plus wiring system, terminal 30)                     |
| 3. EN*        | Enable (Power ON, terminal 15)                              | 4. DO0        | Reserve   |
| 5. DO1        | Reserve   | 6. DO2        | Reserve   |
| 7. DO3        | Reserve   | 8. PG1        | Ground reserve  |
| 9. CNL*       | CAN low   | 10. CNH*      | CAN high  |
| 11. TXD**     | RS232 Transmit (9 pole D-Sub pin 2)                         | 12. RXD**     | RS232 Receive (9 pole D-Sub pin 3)                          |
| 13. PRO**     | Enable firmware download                                    | 14. PG2       | Ground reserve  |
| 15. PG3**     | RS232 ground (9 pole D-Sub: pin 5)                          | 16. DI0       | Reserve   |
| 17. Ext. AW1* | External shut down path 1 (Plus wiring system, terminal 30) | 18. Ext. AW2* | External shut down path 2 (Plus wiring system, terminal 30) |
| 19. IL1*      | Interlock signal loop                                       | 20. IL2*      | Interlock signal loop                                       |
| 21. AI1       | Reserve   | 22. AI2       | Reserve   |
| 23. AI3       | Reserve   |               |   |

\* = The connections must be wired for normal operation!  
\*\* = Programming of the inverter is necessary!



| Pos. | item number | description                    | material                        |
|------|-------------|--------------------------------|---------------------------------|
| 1    | 13044       | Type DMC524 bedruckt           | PVC                             |
| 2    | LAAA687     | KA SCH 35mm2                   | Cu                              |
| 3    | MBAA294     | M 4x16 LI ISR Ro gw-furch      | stainless steel                 |
| 4    | MHAA777     | Stecknippel zu Norma PS3, NW12 | Al                              |
| 5    | RAAA079     | DIN933 M 8x10 6-Kt vz          | steel                           |
| 6    | RAAA175     | M 4x10 Senk ISK Ro             | stainless steel                 |
| 7    | RKAA144     | KA SB M25x15 HSK-M-EMV         | brass                           |
| 8    | 10458       | Gehäusedeckel                  | Al                              |
| 9    | 10921       | MEM AVS46 PBT-GF30             | PBT-GF30 & Silicone 50° Shore A |
| 10   | KKR025      | KA SCH 35-08 90°               | Cu                              |
| 11   | AACC569     | S AMP 23Pol. SS                | PBT-GF                          |
| 12   | CTS001      | S AMP 23Pol. BS                | PBT-GF & Silicone Rubber        |
| 13   | CTS003      | S AMP 23Pol. PIN               | copper alloy                    |
| 14   | MBAA133     | LABEL HV-Warnkleber            |                                 |
| 15   | MBAA169     | M 3x12 KA30x12 WN1412 A2       | steel                           |
| 16   | MBAA281     | Gehäuse                        | Al                              |
| 17   | MBAA282     | Wasserddeckel                  | Al                              |
| 18   | MHAA681     | Servicedeckel                  | Al                              |
| 19   | MHAA775     | KW-Kupplung 0° Norma PS3       | PA66 - GF30                     |
| 20   | MPAA472     | S LEMO 14pol. CMS-Con.         | brass                           |
| 21   | MSAA449     | M 8 F-Sch AZ Br                | steel                           |



**INFORMATION**

To commission the device successfully, the entire documentation as well as diverse software are required. With the provision of the customer package, it is ensured that the documentation and software are complete and up-to-date. The updating of specific documents is carried out automatically and can be seen in the history.

**The customer package includes the following indexes:**

- **Manual:** Contains all information fundamentally necessary for the installation and operation of the inverter.
- **Firmware / motor table:** Contains the necessary firmware, a motor specific motor parameter table and instructions for installation.
- **Tools:** Contains additional tools for the operation, parameter setting and maintenance of the inverter.
- **Debugging / calibration:** Contains additional specific documentation for further work on the inverter (e.g. error analysis, Rotor offset adjustment).
- **History:** Listing of all upgrades within the customer package with a specification of the affected documents or software / firmware etc.

|                |  |  |  |                  |  |                    |  |
|----------------|--|--|--|------------------|--|--------------------|--|
| CAD Solid Edge |  | Allgemeintoleranz  |  | Kundenzeichnung  |  | Prüfmasse          |  |
| Dateiname      |  | 11781_DMC524-ISU-F08_R02_Kundenzeichnung                                 |  |                  |  | -                  |  |
| Datum          |  | Name   |  | Benennung        |  | Version            |  |
| Erstellt       |  | 26.02.2014   |  | Martin Berkmann  |  | DMC524-ISU         |  |
| Geprüft        |  | 10.03.2014   |  | Pascal Haltner   |  | F08                |  |
| Freigegeben    |  | 27.02.2014   |  | Christian Marxer |  |                    |  |
| <b>BRUSA</b>   |  | Schutzvermerk ISO 16016 beachten - Refer to proprietary notice ISO 16016 |  | Werkstoff        |  | Errechnet 0.000 kg |  |
| Artikelnummer  |  | Revision   |  | Format           |  | Masse              |  |
| 11781          |  | R2   |  | A1               |  | Gewogen 9.5 kg     |  |
| Massstab       |  | 1:2  |  | Blatt            |  | 1 von 1            |  |