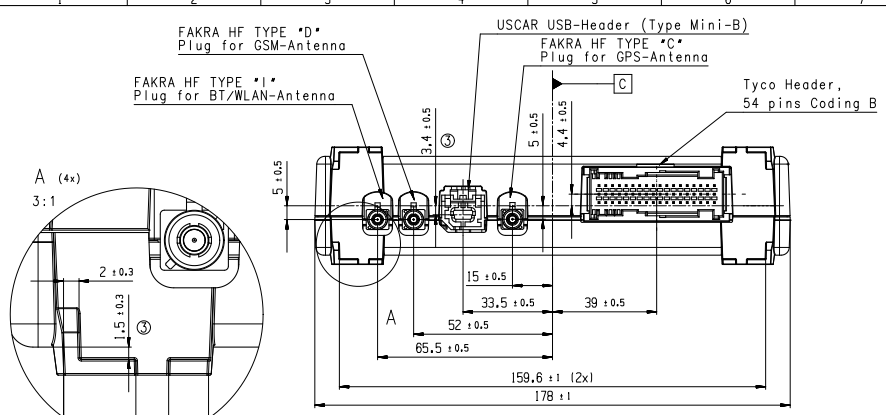
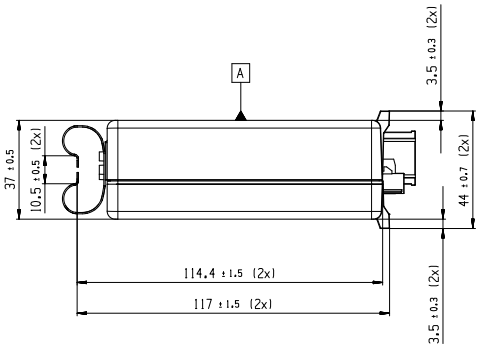
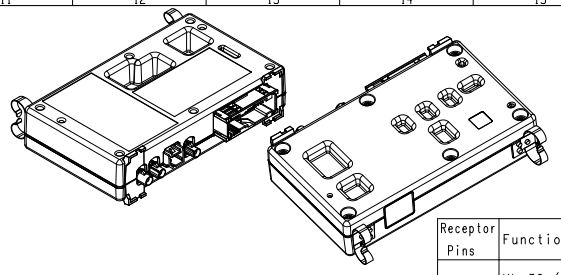
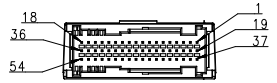
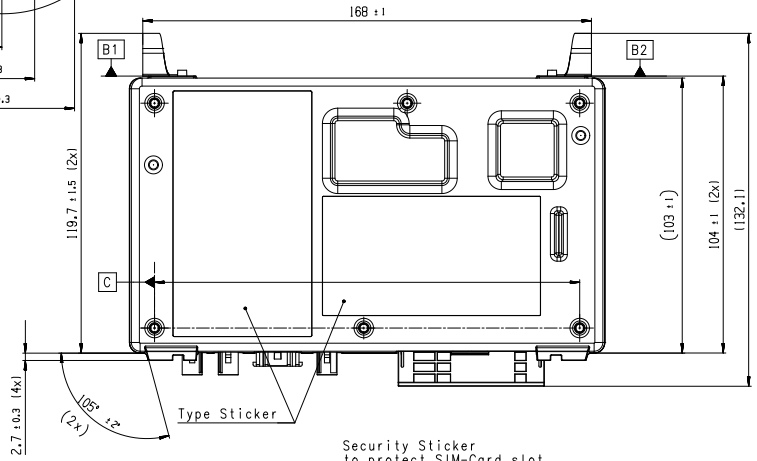
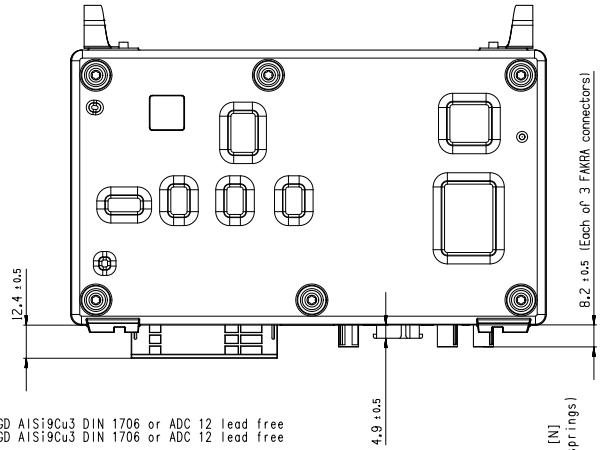


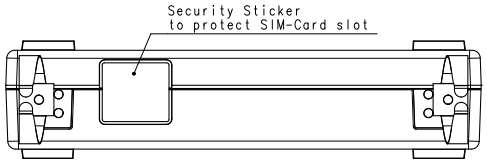



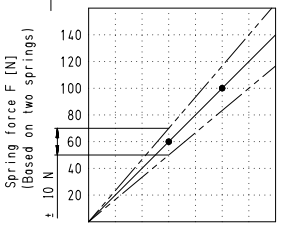






| Receptor Pins | Function |
|---|---|
| 1 | KL.30 (UBAT) |
| 2 | KL.30 (UBAT) |
| 3 | CAN3_GND |
| 4 | CAN3_L |
| 5 | KL.15 (IGNITION) |
| 6 | CAN1_GND |
| 7 | CAN1_GND |
| 8 | DIGITAL_IN4_GND |
| 9 | DIGITAL_IN3 |
| 10 | LINE_OUT_GND |
| 11 | LINE_OUT_RIGHT |
| 12 | RS232_DTE_TXD |
| 13 | RS232_DTE_RXD |
| 14 | RS232_DTE_CTS |
| 15 | RS232_RTS |
| 16 | RS232_CTS |
| 17 | LS_SWITCH_2_GND |
| 18 | LS_SWITCH_2 |
| 19 | KL.31 (GND_Z) |
| 20 | KL.31 (GND_Z) |
| 21 | CAN3_H |
| 22 | CAN2_GND |
| 23 | CAN2_GND |
| 24 | CAN1_H |
| 25 | DIGITAL_IN5_GND |
| 26 | DIGITAL_IN3 |
| 27 | DIGITAL_IN2_GND |
| 28 | DIGITAL_IN1 |
| 29 | LINE_OUT_LEFT |
| 30 | VOLTAGE_MEASURE_GND |
| 31 | RS232_DTE_RTS |
| 32 | RS232_DTE_DTR |
| 33 | RS232_RXD_IN |
| 34 | RS232_TXD_OUT |
| 35 | LS_SWITCH_1_GND |
| 36 | LS_SWITCH_1 |
| 37 | KL.31 (GND_Z) |
| 38 | KL.31 (GND_z) |
| 39 | CAN3_GND |
| 40 | CAN2_H |
| 41 | CAN2_L |
| 42 | CAN1_L |
| 43 | DIGITAL_IN5 |
| 44 | DIGITAL_IN3_GND |
| 45 | DIGITAL_IN2 |
| 46 | DIGITAL_IN1_GND |
| 47 | VOLTAGE_MEASURE |
| 48 | RS232_DTE_DSR |
| 49 | RS232_DTE_DCD |
| 50 | RS232_DTE_RI |
| 51 | RS232_DTE_GND |
| 52 | RS232_GND |
| 53 | K_LINE |
| 54 | AUDIO_MUTE |

MATERIALS
COVER: GD AlSi9Cu3 DIN 1706 or ADC 12 lead free
BASE PLATE: GD AlSi9Cu3 DIN 1706 or ADC 12 lead free

SPRING: DIN EN 10088 1.4310 (X10CrNi18-8 K1)

SCREW: DIN 10263, 1.5525, Plating: Zn-Ni

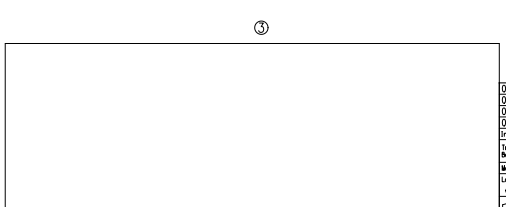
CONNECTORS: Main-Connector: Company: Tyco
Housing: PA46-GF30
Contacts: CuFe2P and CuMgO.1 / Plating Sn over Ni
USB-Connector: Company: Molex
Housing SPS, glass filled
Contacts: Copper alloy / Plating: Au over Ni
Shell: Copper alloy / Plating: Tin over Ni
Fakra-Connectors: Company: Rosenberger
Housing: PA 6T/66
Dielectric: PA 6T/66
Center contact: Brass / Plating: AuroDur®, gold plated
Outer contact: Zinc alloy / Plating Tin over Ni

Nominal voltage: 12V or 24V
Test voltage: 24V
Operating voltage: 10,8V to 31,2V
① Operating temperature: -40°C to 60°C (full operation, see also CTP-4958, CTP-3856)
Operating temperature: 60°C to 75°C (limited operation, CAN alive until components are at max. temp. of 85°C)
Storage temperature: -40°C to 85°C
② Type of protection: IP30 in accordance with DIN EN 60529 (applies for the connectors),
IP31 in accordance with DIN EN 60529 (excluded the connectors but with possibly refurbishment for further use)

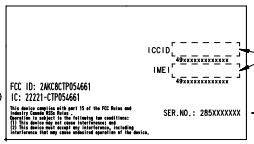
③ Weight ca.: 650g

Set shown without package
This drawing gives only the most essential mounting measures.

The given tolerances are for acceptance purposes.
The addition of tolerances given in the part drawings result if applicable in other values.



Type Sticker (2 parts)




① Serial Number: 285XXXXXXX
last 3 digits of Bosch part no.
+ last 7 digits serial number




A The base plane "A" to be determed with 4 points

Size acc. to / Masse nach ISO 14405-1:2010-12
envelope principle/ Hüllprinzip Ⓔ

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 06 | A23508..16 | 20170104 | cpe2hi | vRiegen | . | 2170 | CM-C13/END |
| 05 | A23508..14 | 20161219 | cpe2hi | vRiegen | . | 2170 | CM-C13/END |
| 04 | A23508..09 | 20161118 | bis2hi | vRiegen | . | 2170 | CM-C13/END |
| 00 | --- | 20160427 | cpe2hi | vRiegen | . | 2170 | CM-C13/END |
| Ind. | Change/Aend. | YYYYMMDD | Drawn/Gez. | Checked/Gepr. | Release./Freig. | EWN | Resp. dept./Verantw. Abt. |

Add. info./Zus. Info.

Treatment/ Behandlung . | Missed Details/Fehlende Angaben . | Size/Gst. .
Mat./Stoff . | . | From/Aus .
Lang./Spr. en/de | Right./Gew. . | BOSCH | CONTROL UNIT STEUERGERAET . | cTP-mid-DTNA . | Sheet/Bl. 1 / 1
Crit. P. . | Scale/Maßstab 1 : 1 | Mat.meets/Stoff e. s. N 2500-1 | Syst. UG | Doc. type TKU | 7 620 000 285 EA | DP/TD 000 | Ind. 06 | Format A1
MNR . | Repl. for . | Repl. by .

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