

Technische Daten/  
technical data : Akkupack/  
battery pack  
Chemie/  
chemistry : Lithium Ion  
Zellenzahl/  
no. of cells : 3 Zellen/ cells ; 3S1P  
Zellentyp/  
cell type : INR18650 LGC MJ1  
Kapazität/  
capacity : nom. 3450mAh discharge at 0.2C  
min. 3400mAh discharge at 0.2C

Innenwiderstand/  
impedance : < 200mOhm (battery and safetyboard)  
ta:20°C, EV(Discharge End Voltage): 2.5V per cell

Nominalspannung/  
nominal voltage : 11.1V  
Standard Ladespannung/  
standard charge voltage : 12.6V±1%

Standard Entladespannung/  
standard discharge voltage : 7.5V  
Nominaler Ladestrom/  
nominal charge current : 0.5C

Maximaler Ladestrom/  
maximum charge current : 1C  
Ladeendstrom/  
charge end current : 0.01C recommended

Maximaler Entladesstrom/  
maximum discharge current : 5000mA (limited by safetyboard)  
Anwendungstemperaturbereich/  
ambient temperature range :

0°C...+45°C charge  
-20°C...+60°C discharge  
-20°C...+30°C storage max. 1 year  
-20°C...+45°C storage max. 3months

Selbstentladung/  
self discharge : ≤ 5% / month at20°C  
≤ 10% / month at30°C  
≤ 20% / month at40°C

Standards/  
 : UN 3480, Subsection 38.3  
All cells and battery packs type tested according to UN manual of test and criteria subsection 38.3

Technische Daten/  
technical data : Sicherheitsschaltung/  
safety board (0180-3030)

Überladeschutzspannung/  
over charge voltage detection : 4.35V±25mV per cell

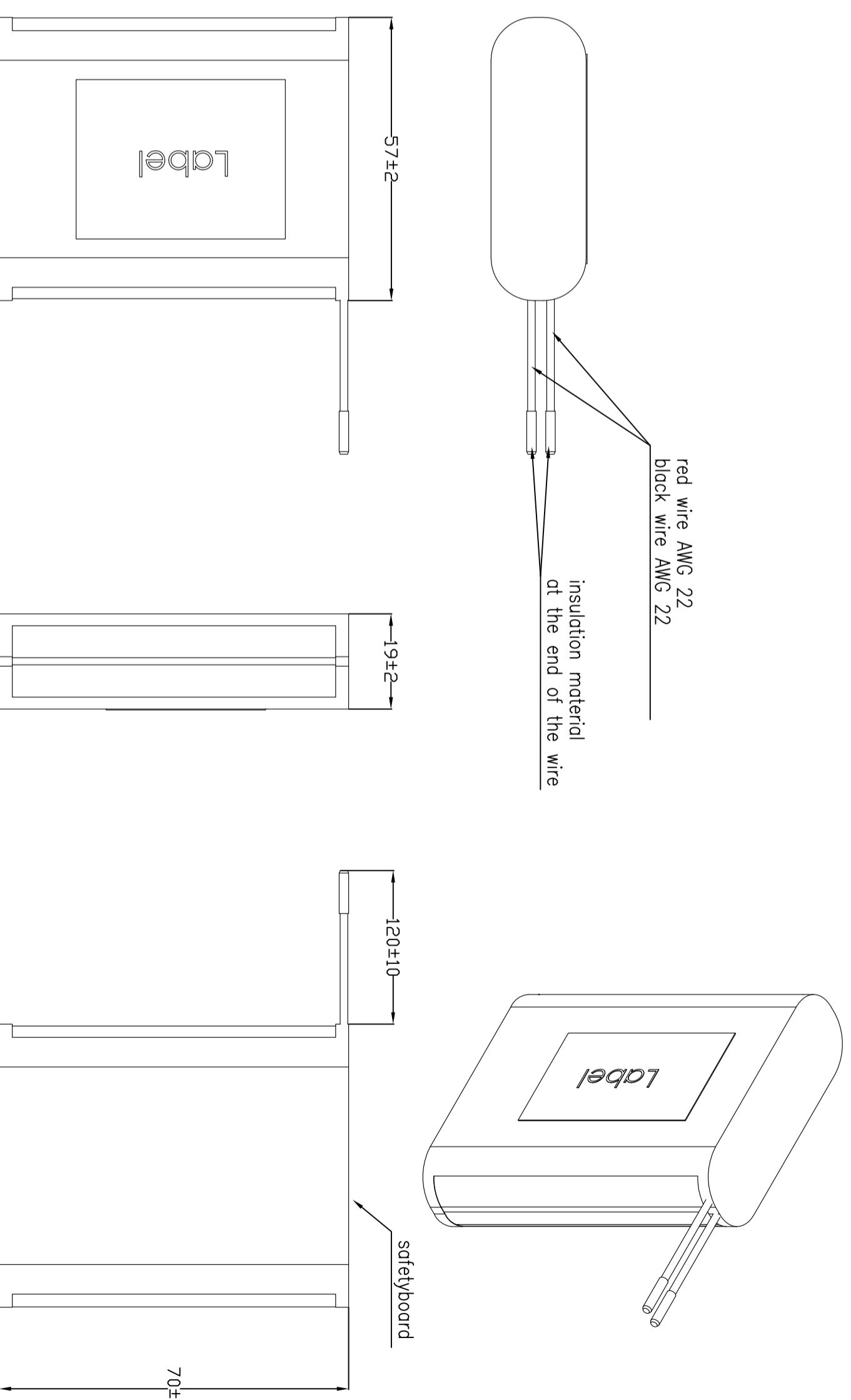
Wiedereinschaltspannung/  
over charge release voltage : 4.15V±50mV per cell  
Entladedeschaltspannung/  
over discharge detection voltage : 2.4V±80mV per cell

Wiedereinschaltspannung/  
over discharge release voltage : 3.0V±100mV per cell  
Nominaler Lade/Entladesstrom/  
nominal operating current : 5A  
Entlade Abschaltstrom/  
discharge cut off current : 12A±2A

Kurzschlusschutz/  
short circuit protection : gegen äußeren Kurzschluss/  
against external short circuit  
Temperatururshalter/  
temperature switch : PTC : JK-P730 20V/7.3A at 25°C; 6.2A at 40°C  
MOSFET : im Pluszweig  
in positive path

Rückstellkriterium/  
release condition : Last trennen, Aktiv nach Anladen/  
cut load, release after charging up

Leiterplattenmaterial/  
pcb material : FR4  
Nettogewicht/  
net weight : 151g  
Standards : CE



battery pack covered with 2 layers of blue shrinkklube

| Verwendungsbereich/Application range     |  | Zul. Abweichung/<br>Allowable deviation |  | Oberfläche/<br>Surface |  | Maßstab/Scale (DIN A2): 1:1                                  |  | Gewicht/Weight                |  |
|--|--|---|--|------------------------|--|--|--|-------------------------------|--|
| Für Anfrage/for inquiry AN-IS-2016-01263 |  | DIN ISO 2768-m                          |  |                        |  |  |  |                               |  |
| Version                                  |  | 2016                                    |  | JK                     |  | Zeichnungsname/Drawing name                                  |  | Blatt/<br>Sheet               |  |
| Änderung/Change                          |  | 12.10.                                  |  |                        |  | Li-Ion - 11.1V - 3450mAh - 3s1p - PTC/LG<br>with safetyboard |  | 1                             |  |
| VO                                       |  | 12.10.16                                |  | JK                     |  | Zeichnungsnummer/Drawing number                              |  | 2447-3031-20                  |  |
| technical data corrected                 |  | 12.10.16                                |  | JK                     |  | Arbeitsnummer/Job number                                     |  | 2447-3031-20                  |  |
| Datum/Date                               |  | 12.10.16                                |  | JK                     |  | Ersatz für/Replaced by                                       |  | Ersatz durch/Replaced through |  |
| Datum/Date                               |  | 12.10.16                                |  | JK                     |  | Ursprung/Origin Proj. IS-2016-01263                          |  | Ersatz durch/Replaced through |  |
| Allgemeintoleranz                        |  | 2016                                    |  | JK                     |  | AR-SMANN   |  |                               |  |
| Datum/Date                               |  | 12.10.                                  |  | JK                     |  |  |  |                               |  |
| Ersatz/Drawn by                          |  |   |  |                        |  |  |  |                               |  |