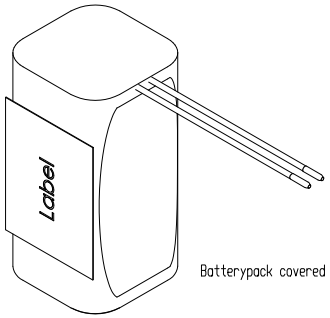
The supplier acknowledges that with the acceptance of the drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible series production. The drawing is binding for the execution of the order. Deviations from the drawing are only permissible with our prior written consent. The supplier is responsible for the observance of the relevant safety regulations in his department of the component. Verbal agreements over and above that are not valid. Deviations from this rule must be writing and must be signed by the purchaser.

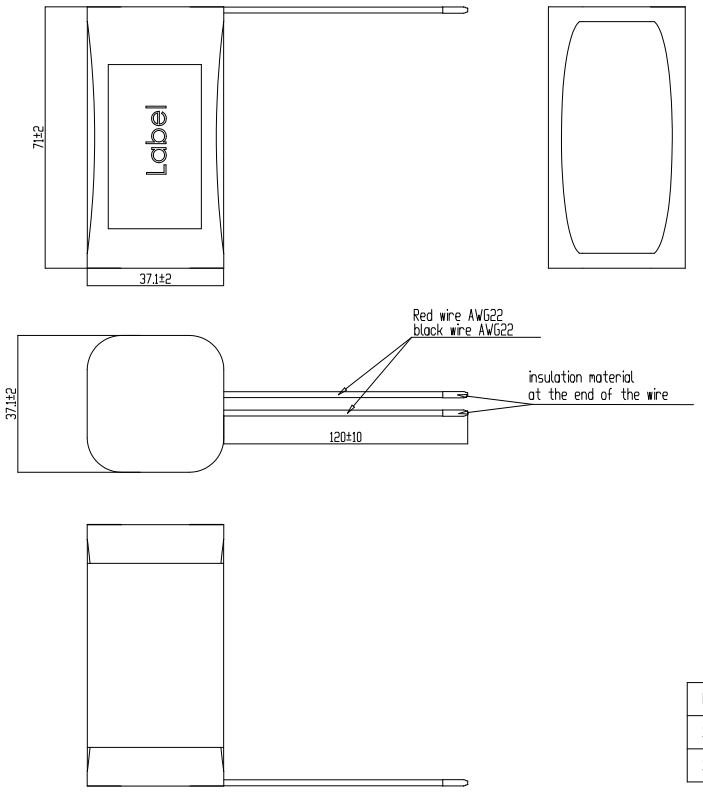
This drawing may not be copied, reproduced or made available to third parties in any way without either our prior written approval.

| | | |
|---|---|---|
| Technische Daten/ technical data | : | Akkupack/ batterypack |
| Chemie/ chemistry | : | Lithium Ion |
| Zellenzahl/ no. of cells | : | 4 Zellen/ cells ; 2S2P |
| Zellentypl/ cell type | : | INR18650 LGC MJ1 |
| Kapazität/ capacity | : | nom. 7000mAh discharge at 0.2C<br>min. 6700mAh discharge at 0.2C<br>ta:20°C; EV(Discharge End Voltage): 2.5V per cell |
| Innenwiderstand/ impedance | : | < 120mOhm (battery and safetyboard) |
| Nominalspannung/ nominal voltage | : | 7.27V |
| Standard Ladespannung/ standard charge voltage | : | 8.4V±1% |
| Standard Entladespannung/ standard discharge voltage | : | 5.0V |
| Nominaler Ladestrom/ nominal charge current | : | 0.5C |
| Maximaler Ladestrom/ maximum charge current | : | 5000mA (limited by safetyboard) |
| Ladeendstrom/ charge end current | : | 0.01C recommended |
| Maximaler Entladestrom/ maximum discharge current | : | 5000mA (limited by safetyboard) |
| Anwendungstemperaturbereich/ ambient temperature range | : | 0°C...+45°C charge<br>-20°C...+60°C discharge<br>-20°C...+30°C storage max. 1 year<br>-20°C...+45°C storage max. 3months |
| Selbstentladung/ self discharge | : | ≤ 5% / month at20°C<br>≤ 10% / month at30°C<br>≤ 20% / month at40°C |
| Standards/ | : | UN 3480, Subsection 38.3<br>All cells and batterypacks type tested according to UN manual of test and criteria subsection 38.3 |

| | | |
|---|---|---|
| Technische Daten/ technical data | : | Sicherheitsschaltung/ safety board (0180-3029) |
| Überladeschutzspannung/ over charge voltage detection | : | 4.3V±25mV per cell |
| Wiedereinschaltspannung/ over charge release voltage | : | 4.1V±50mV per cell |
| Entladeabschaltspannung/ over discharge detection voltage | : | 2.4V±50mV per cell |
| Wiedereinschaltspannung/ over discharge release voltage | : | 3.0V±100mV per cell |
| Nominaler Lade/Entladestrom/: nominal operating current | : | 5A |
| Entlade Abschaltstrom/ discharge cut off current | : | 13A± 3A |
| Kurzschlussschutz/ short circuit protection | : | gegen äußeren Kurzschluss/ against external short circuit |
| Temperarurschalter/ temperature switch | : | PTC : JK-P730 20V/7.3A at 25°C; 6.2A at 40°C |
| MOSFET | : | in Masse<br>in Gnd |
| Rückstellkriterium/ release condition | : | Last trennen, Aktiv nach Anladen/ cut load, release after charging up |
| Leiterplattenmaterial/ pcb material | : | FR4 |
| Nettogewicht/ net weight | : | 196g |
| Standards | : | CE |




Batterypack covered with 2 layers of blue shrinktube




| Part Number | SAP Description |
|---|---|
| 2447-3049-20 | Li-Ion-7.27V-7000mAh-2S2P-Block-PTC/LG |
| 2447-3049-220 | Li-Ion-7.3V-7000mAh-2S2P-block-PTC/UK |

| Version | Change | Date | Name |
|---|---|---|---|
| V3 | part number overview added | 15.04.19 | DS |
| V2 | cable length changed | 16.01.18 | DS |
| V1 | change request DE-17-0071 | 14.11.17 | DS |
| V0 | created this D/S | 12.10.16 | JX |

Application range for inquiry

Allowable deviation general tolerances: DIN ISO 2768-m

Tolerance principle: ISO 8015

| 2016 | Date | Name |
|---|---|---|
| Drawn by | 12.10. | JX |
| Approved by | | |

ANSMANN

Project: IS-2016-01263

Model:

Material:

Scale (DIN A2): 1:1

All dimensions in mm

Weight:

Drawing name: Li-Ion-7.27V-7000mAh-2S2P-block-PTC/LG with safetyboard

Drawing number / Part number: 2447-3049-XXX

Sheet 1/1

Replaced by:

Replacement through: