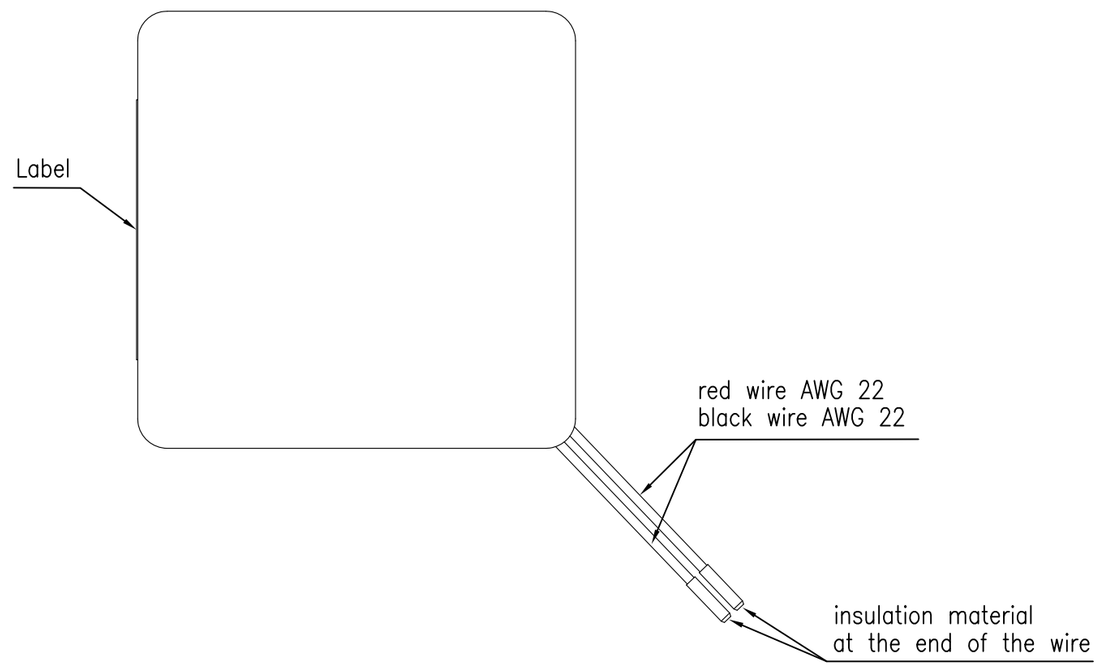
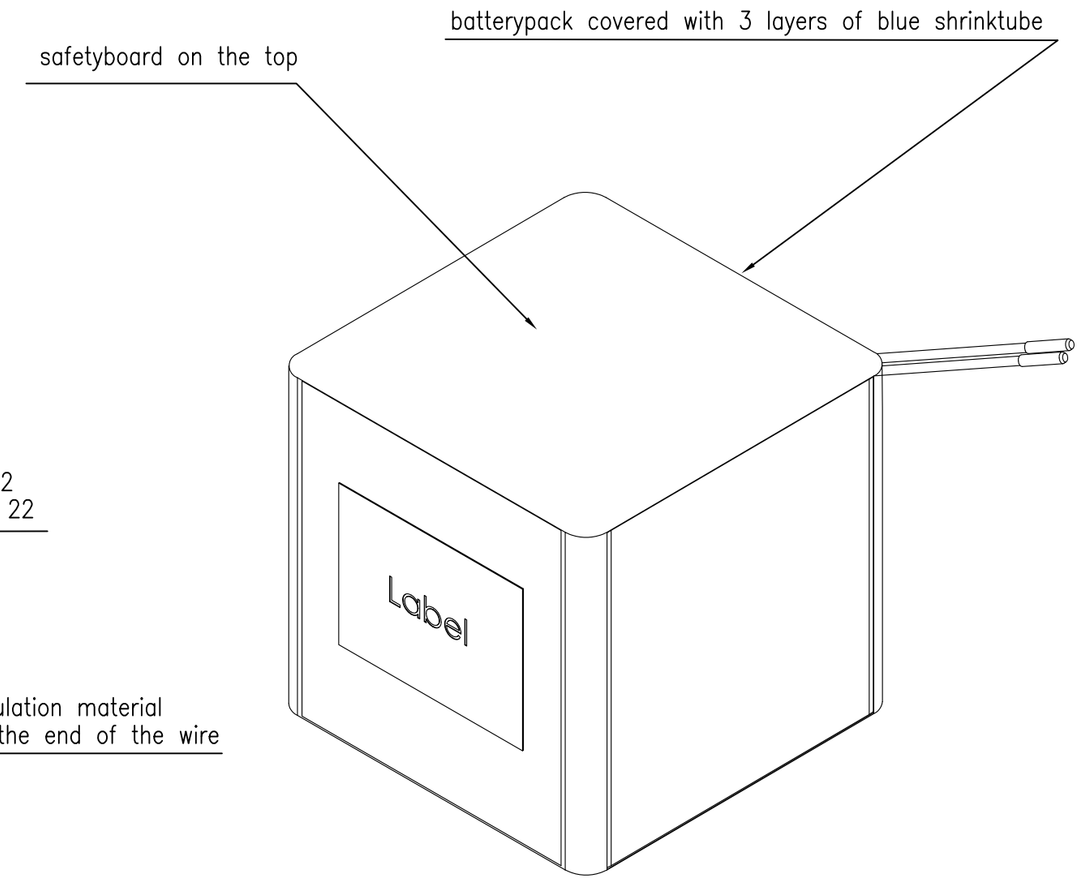
The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible from and series production. Through the selected manufacturing processes no ispurdwnk will arise in the material and structure which could subsequently lead to an opponent of the component. Verbal agreements over and above this are not valid. Deviations from this data sheet are only valid by the supplier.

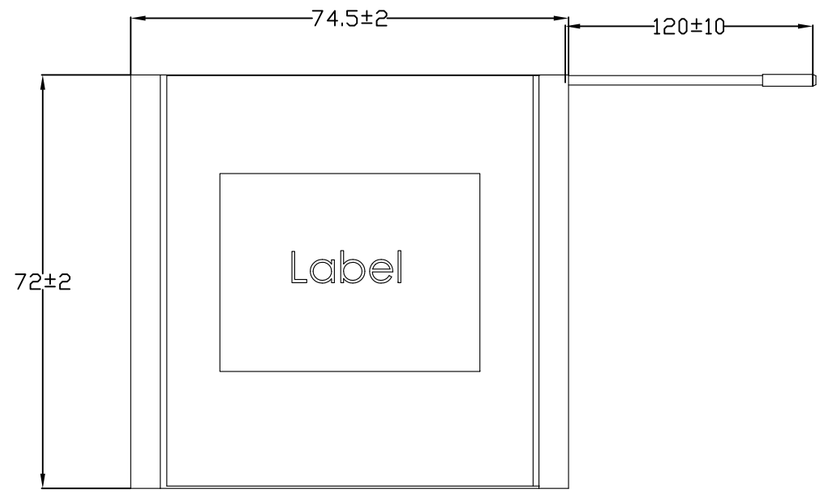
This drawing may not be copied, reproduced or made available to third parties in any way whatsoever without or prior written approval.

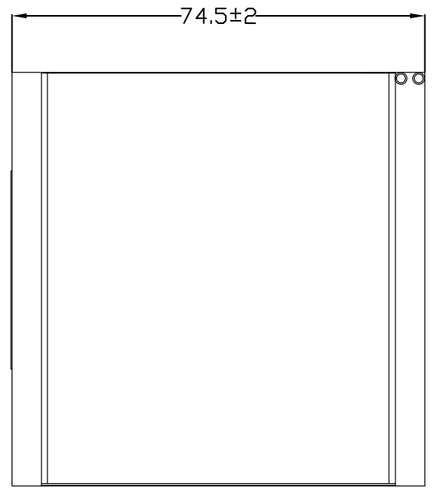
Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	16 Zellen/ cells ; 4S4P
Zellentypl/ cell type	:	INR18650 LGC MJ1
Kapazität/ capacity	:	nom. 13800mAh discharge at 0.2C min. 13600mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.5V per cell
Innenwiderstand/ impedance	:	< 160mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	14.8V
Standard Ladespannung/ standard charge voltage	:	16.8V±1%
Standard Entladespannung/ standard discharge voltage	:	10V
Nominaler Ladestrom/ nominal charge current	:	4000mA (limited by safetyboard)
Maximaler Ladestrom/ maximum charge current	:	4000mA (limited by safetyboard)
Ladeendstrom/ charge end current	:	0.01C recommended
Maximaler Entladestrom/ maximum discharge current	:	4000mA (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 batterypacks type tested according to UN manual of test and criteria subsection 38.3

Technische Daten/ technical data	:	Sicherheitsschaltung/ safety board (0180−3199)
Überladeschutzspannung/ over charge voltage detection	:	4.35V±25mV per cell
Wiedereinschaltspannung/ over charge release voltage	:	4.15V±50mV per cell
Entladeabschaltspannung/ over discharge detection voltage	:	2.4V±80mV per cell
Wiedereinschaltspannung/ over discharge release voltage	:	3V±100mV per cell
Nominaler Lade/Entladestrom/ nominal operating current	:	4A
Entlade Abschaltstrom/ discharge cut off current	:	15A± 5A
Kurzschlussschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Temperarurschalter/ temperature switch	:	PTC : JK−P600 20V/6A at 25°C; 5.2A at 40°C
MOSFET	:	im Pluszweig/ in positive path
Rückstellkriterium/ release condition	:	Last trennen, Aktiv nach Anladen/ cut load, release after charging up
Nettogewicht/ net weight	:	approx 776.4g
Leiterplattenmaterial/ pcb material	:	FR4
Standards	:	CE









Version	Änderung/Change	Datum/Date	Name
V0	created this D/S	29.09.16	XJ

Verwendungsbereich/Application range: für Anfrage/for inquiry IS-2016-01263

Zul. Abweichung/ Allowable deviation: Allgemeintoleranz DIN ISO 2768-m

Oberfläche/ Surface

2016	Datum/Date	Name
Erstellt/ Drawn by	29.09.	XJ

Maßstab/Scale (DIN A2): 1:1

Gewicht/Weight

Werkstoff/Work material, Modell-Nr.

Zeichnungsname/Drawing name

Li−Ion−14.8V−13800mAh−4s4p−block−PTC/LG with safetyboard

ANSMANN

Zeichnungsnummer/Drawing number
Artikelnummer/Part number: 2447−3099−20

Blatt/ Sheet: 1

Ursprung/Origin Proj. IS-2016-01263

Ersatz für/Replaced by

Ersatz durch/Replacement through: