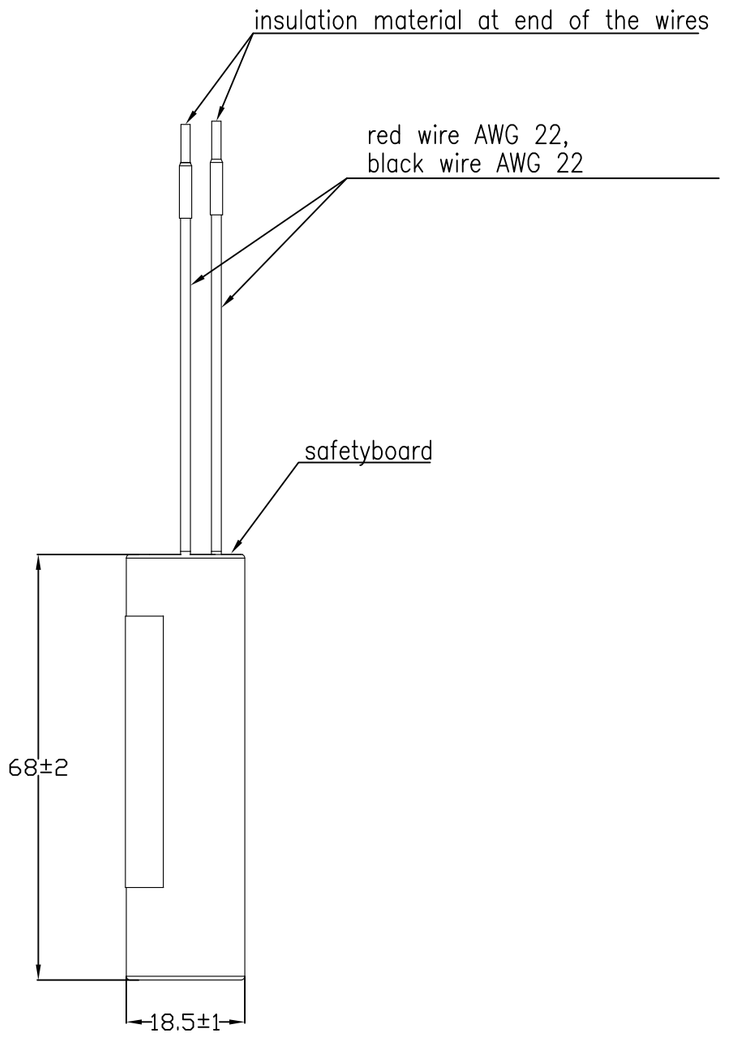
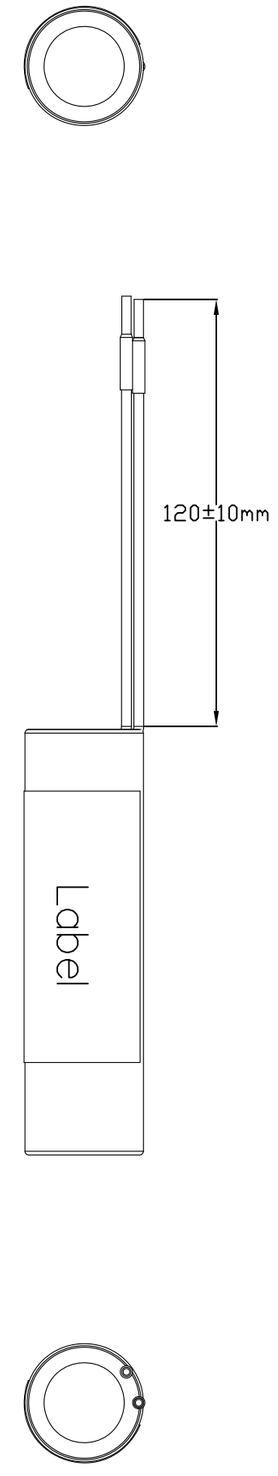
The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible from and series production. Through the selected manufacturing processes no impairments will arise in the material and structure which could subsequently lead to an impairment 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.

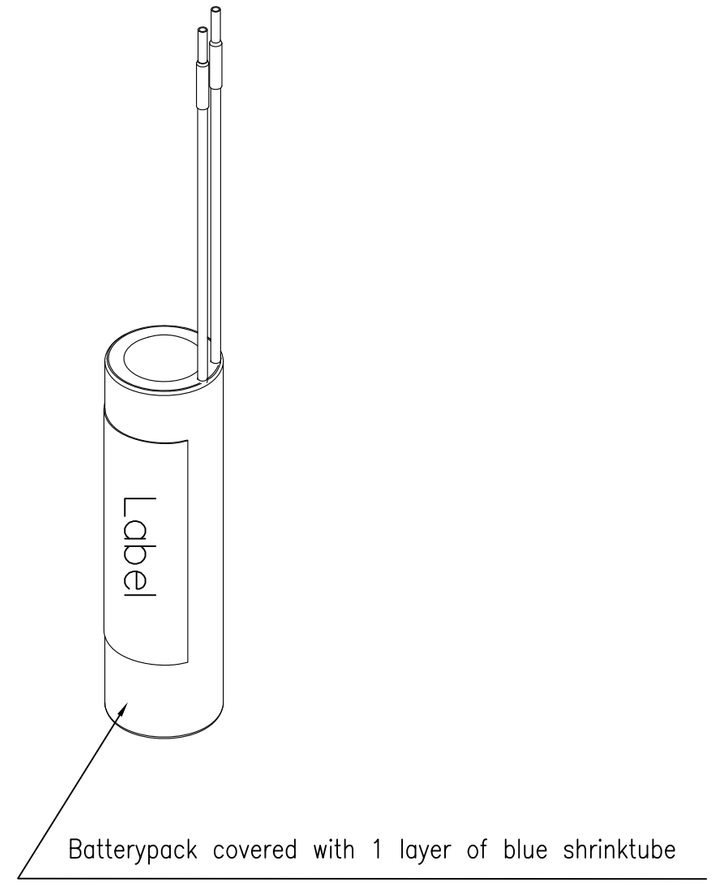
This drawing may not be copied, reproduced or made available to third parties in any way whatsoever without written approval.

Technische Daten/ technical data	:	Akku/ battery
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	1 Zelle/ cell; 1S1P
Zellentypl/ cell type	:	INR18650 LGC MJ1
Kapazität/ capacity	:	nom. 3450mAh discharge at 0.2C min. 3400mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.5V per cell
Innenwiderstand/ impedance	:	< 140mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	3.7V
Standard Ladespannung/ standard charge voltage	:	4.2V±1%
Standard Entladespannung/ standard discharge voltage	:	2.5V per cell
Nominaler Ladestrom/ nominal charge current	:	0.5C
Maximaler Ladestrom/ maximum charge current	:	2500mA (limited by safetyboard)
Ladeendstrom/ charge end current	:	0.01C recommended
Maximaler Entladestrom/ maximum discharge current	:	2500mA (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 (0180−3201)
Überladeschutzspannung/ over charge voltage detection	:	4.325V±0.05V
Wiedereinschaltspannung/ over charge release voltage	:	4.075V±0.1V
Entladeabschaltspannung/ over discharge detection voltage	:	2.5V±0.1V
Wiedereinschaltspannung/ over discharge release voltage	:	2.9V±0.1V
Nominaler Lade/Entladestrom/ nominal operating current	:	2.5A
Entlade Abschaltstrom/ discharge cut off current	:	5A±1A
Kurzschlussschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Temperarurschalter/ temperature switch	:	PTC : SMD1812R400SF; 6V/4A at 25°C; 3.41A at 40°C
MOSFET	:	in Masse in Gnd
Rückstellkriterium/ release condition	:	Last trennen, Aktiv nach Anladen/ cut load, release after charging up
Leiterplattenmaterial/ pcb material	:	FR4
Nettogewicht/ net weight	:	50.2g
Standards	:	CE







Verwendungsbereich/Application range: für Anfrage/for inquiry IS-2016-01263				Zul. Abweichung/ Allowable deviation		Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1 — Gewicht/Weight
				Allgemeintoleranz DIN ISO 2768-m			Werkstoff/Work material, Modell-Nr.
				2016	Datum/Date	Name	Zeichnungsname/Drawing name: Li-Ion-3.7V-3450mAh-1S1P-PTC/LG with safetyboard
				Erstellt/ Drawn by	13.09.	XJ	
V0	created this D/S	31.10.16	XJ	ANSMANN			Zeichnungsnummer/Drawing number / Artikelnummer/Part number: 2347-3008-20 — Blatt/ Sheet 1
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2016-01263			Ersatz für/Replaced by — Ersatz durch/Replacement through: