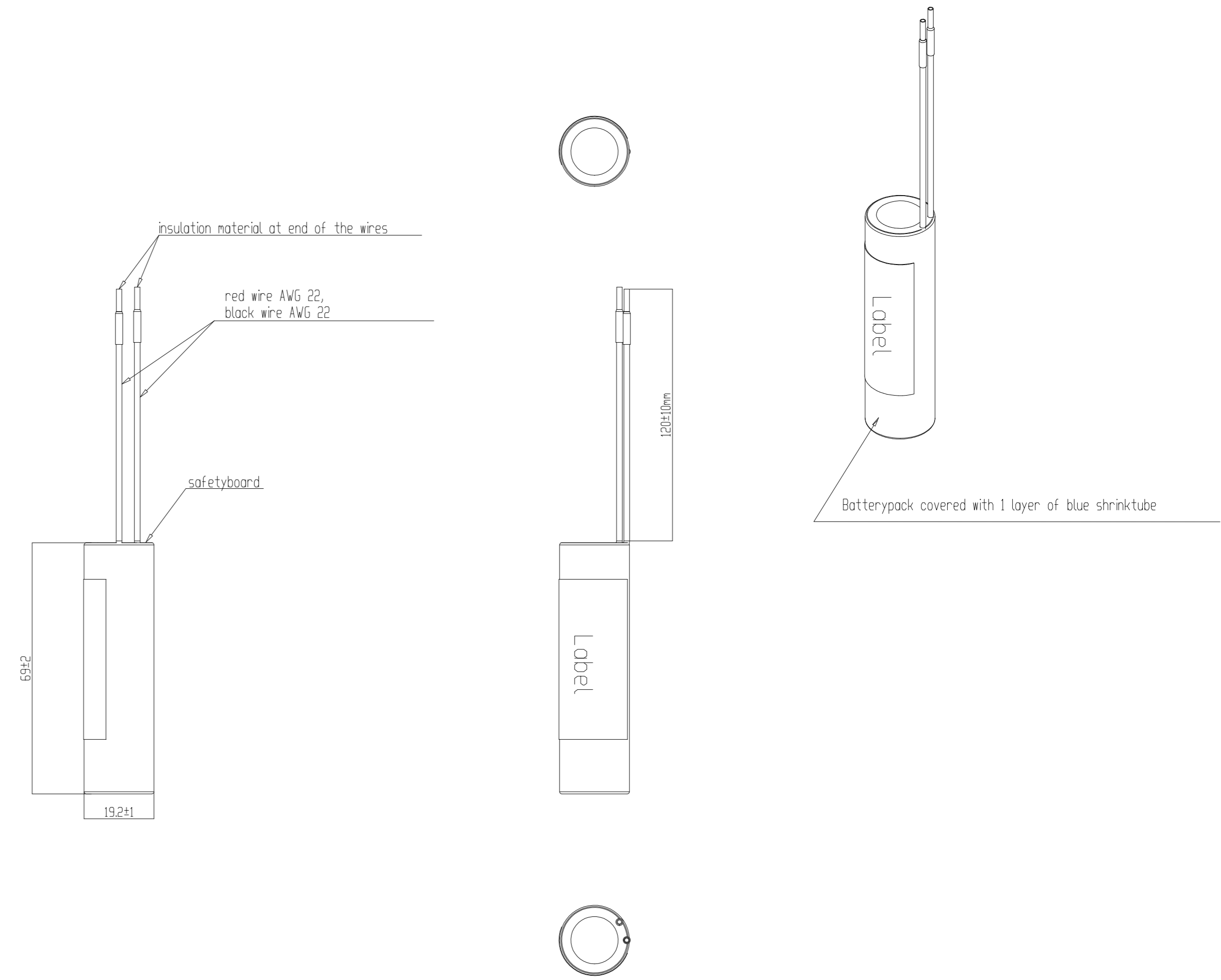


The supplier acknowledges that, with the acceptance of this drawing, he is in a position to manufacture the component in accordance with the drawing in reproducible quantities. The drawing is not to be used for the production of individual components. The drawing is not to be used for the production of individual components. The drawing is not to be used for the production of individual components.

Technische Daten/ technical data	:	Akku/ battery
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	1 Zelle/ cell; 1S1P
Zellentyp/ cell type	:	INR18650 LGC MJI
Kapazität/ capacity	:	nom. 3500mAh discharge at 0.2C min. 3350mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.5V per cell
Innenwiderstand/ impedance	:	< 140mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	3.635V
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
Kurzschlusschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Temperaturschalter/ temperature switch	:	PTC : SMD1812R4005F; 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



Part Number	SAP Description
2347-3008-20	Li-Ion-3.63V-3500mAh-1S1P-PTC/LG
2347-3008-220	Li-Ion-3.63V-3500mAh-1S1P-PTC/UK

Application range for inquiry	Allowable deviation general tolerances	Tolerance principle:	Model:	Material:
	DIN ISO 2768-m	ISO 8015	Scale (DIN A2): 1:1	All dimensions in mm
	2016	Date	Name	Weight:
	Drawn by	13.09.	JX	
	Approved by			
V4 change request DE-20-5013	13.02.20	MSL	Drawing name	
V3 part number overview added	15.04.19	DS	Li-Ion-3.7V-3500mAh-1S1P-PTC/LG with safetyboard	
V2 cable length changed	16.01.18	DS	Drawing number	
V1 change request DE-17-0071	14.11.17	DS	Part number	
V0 created this D/S	31.10.16	JX	2347-3008-X20	
Version	Change	Date	Name	Sheet 1/1
Project: IS-2016-01263			Replaced by:	Replacement through:

