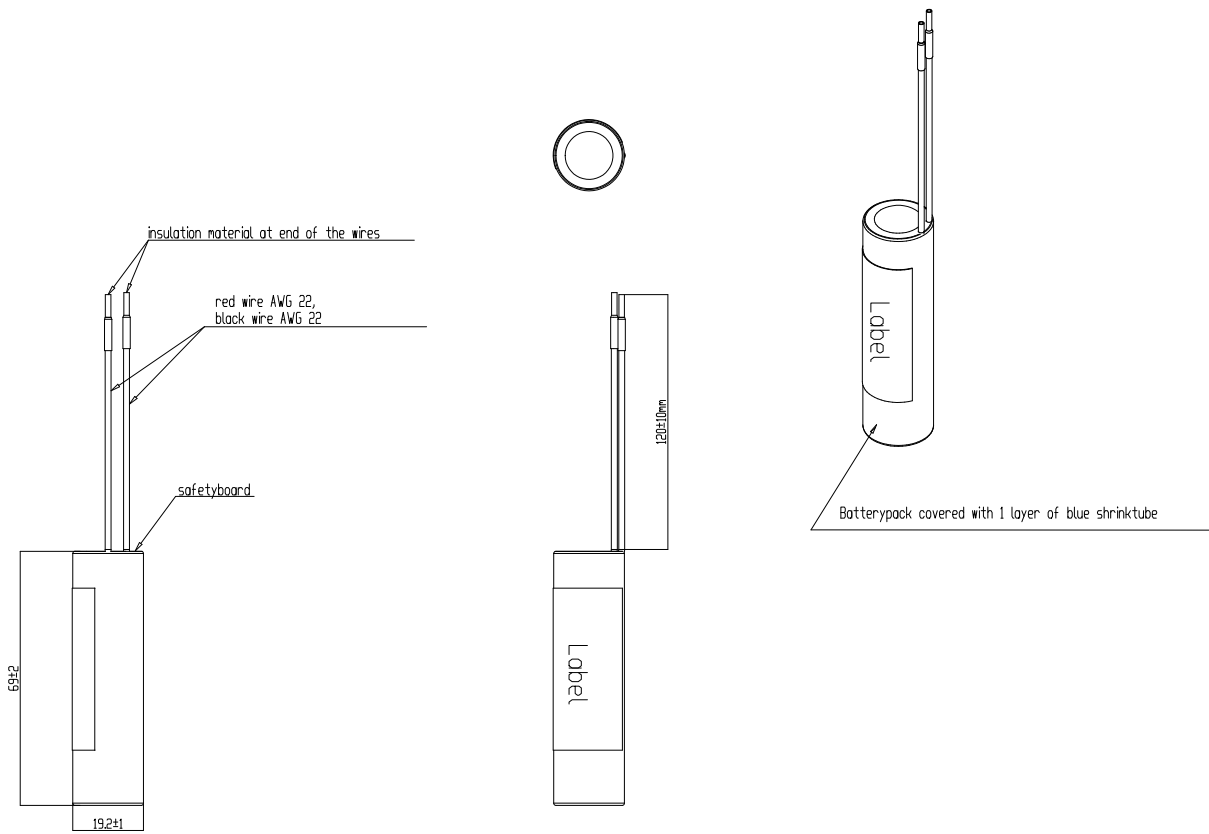


The supplier acknowledges that, with the acceptance of the drawing, he is obliged to manufacture the described part in accordance with the drawing. He is responsible for the correctness of the drawing. The manufacturer is not responsible for the correctness of the drawing. The manufacturer is not responsible for the correctness of the drawing. The manufacturer is not responsible for the correctness of the drawing.

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Technische Daten/ technical data	:	Akku/ battery
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	1 Zelle/ cell; 1S1P
Zellentyp/ cell type	:	INR18650 LGC MJ1
Kapazität/ capacity	:	nom. 3500mAh discharge at 0.2C min. 3350mAh discharge at 0.2C to 20°C; EV(D) 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)
Anwendungsbereich/ 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 at 20°C ≤ 10% / month at 30°C ≤ 20% / month at 40°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 (0180-3201)
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



Application range for inquiry		Allowable deviation general tolerances		Tolerance principle:		Model:		Material:	
		DIN ISO 2768-m		ISO 8015		Scale (DN A2):		All dimensions in mm	
						1:1			
		2016		Date		Name		Drawing name	
		Drawn by		13.09.		JX		Li-Ion-3.7V-3500mAh-1S1P-PTC/LG with safetyboard	
		Approved by						Drawing number	
								Part number	
								2347-3008-20	
V2 cable length changed		16.01.18		DS		ANSMANN		Sheet	
V1 change request DE-17-0071		14.11.17		DS				1/1	
V0 created this D/S		31.10.16		JX					
Version		Change		Date		Name		Project: 6-206-003	
								Replaced by:	
								Replacement through:	