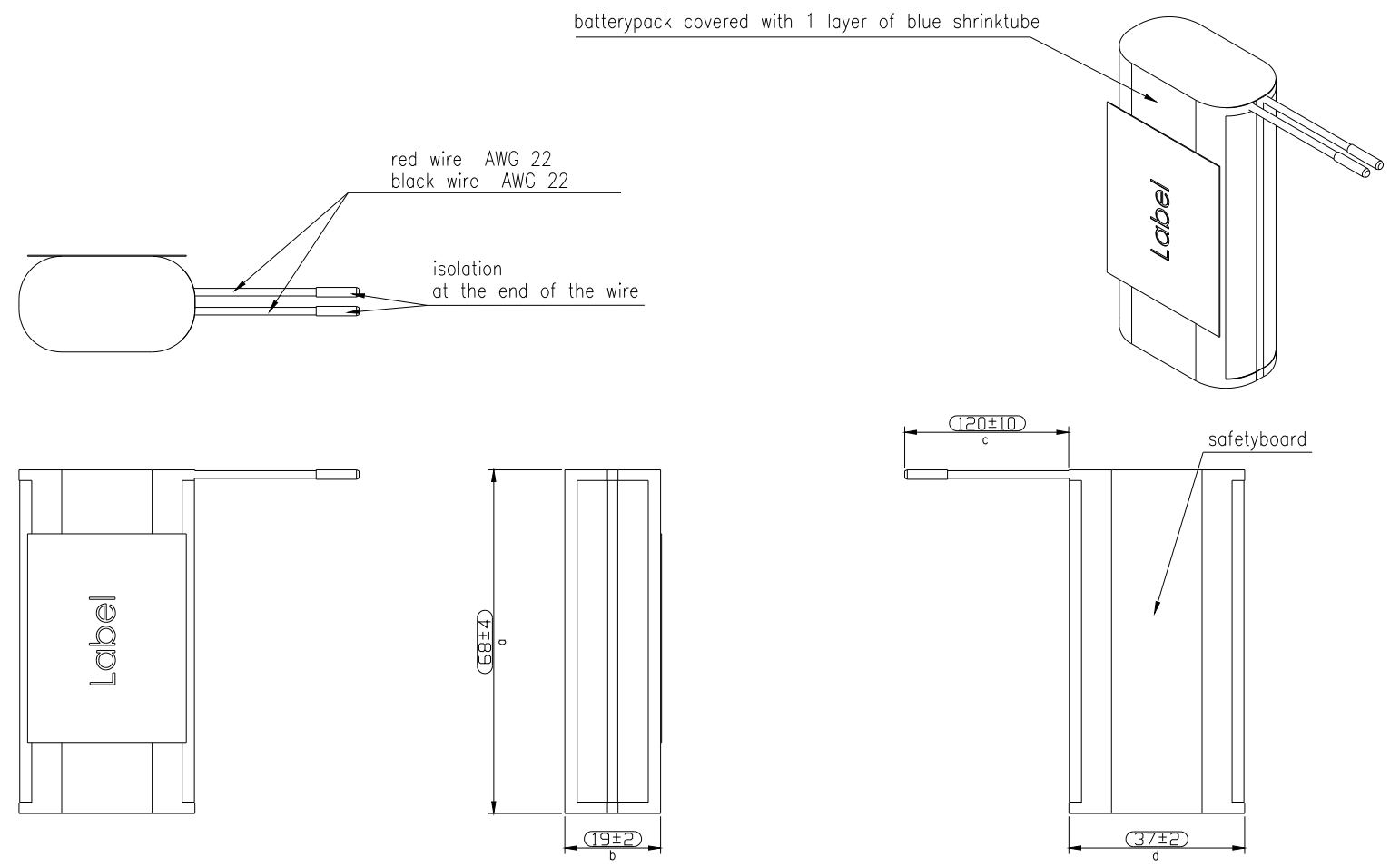


The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible form and series production. Through the selected manufacturing processes no impairments will arise in the material and structure which could subsequently lead to an impairment of the components, technical agreements over and above that are not valid. Deviations from this must be written and must be signed by the purchaser.

This device may only be copied, reproduced or made available to third parties in any way whatsoever without of prior written approval.

Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	2 Zellen/ cells INR18650 M26 LG ; 1S2P
Kapazität/ capacity	:	nom. 5200mAh discharge at 0.2C min. 5000mAh discharge at 0.2C
		ta:20°C; EV(Discharge End Voltage): 2.75V per cell
Innenwiderstand/ impedance	:	< 80m0hm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	3.6V
Standard Ladespannung/ standard charge voltage	:	4.2V±1%
Standard Entladespannung/ standard discharge voltage	:	2.75V
Nominaler Ladestrom/ nominal charge current	:	0.5C
Maximaler Ladestrom/ maximum charge current	:	3000mA (limited by safetyboard)
Ladeendstrom/ charge end current	:	0.01C recommended
Maximaler Entladestrom/ maximum discharge current	:	3000mA (limited by safetyboard)
Anwendungstemperaturbereich/ ambient temperature range	:	0°C...+45°C charge -20°C...+60°C discharge -20°C...+20°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 batterypacks type tested according to UN manual of test and criteria subsection 38.3



Technische Daten/ technical data	:	Sicherheitsschaltung/ safety board
Überladeschutzspannung/ over charge voltage detection	:	4.325V±50mV per cell
Wiedereinschaltspannung/ over charge release voltage	:	4.075V±100mV per cell
Entladeabschaltspannung/ over discharge detection voltage	:	2.5V±100mV per cell
Wiedereinschaltspannung/ over discharge release voltage	:	2.9V±100mV per cell
Nominaler Lade/Entladestrom/ nominal operating current	:	3A
Entlade Abschaltstrom/ discharge cut off current	:	8.5A± 2A
Kurzschlusschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Temperaturerhalter/ temperature switch	:	PTC: JK-P450 20V/ 4.5A at 25°C ; 3.9A at 40°C
MOSFET	:	in Masse in Gnd
Rückstellkriterium/ release condition	:	Last trennen, Aktiv nach Anladen/ cut load, release after charging up
Nettogewicht/ net weight	:	ca./ approx. 100g
Leiterplattenmaterial/ pcb material	:	FR4
Standards	:	CE, UKCA

Part Number	SAP Description
2447-3033-02	Li-Ion-3.6V-5200mAh-1S2P-M26
2447-3033-202	Li-Ion-3.6V-5200mAh-1S2P-M26/UK

Allowable deviation general tolerances		Surface:		Material:		Weight	
DIN ISO 2768-m				Scale (DIN A2): 1:1		Projection method 1	
Drawn by		Date		Name		Product name:	
25.01.2019		MSt				<b>Li-Ion-3.6V-5200mAh-1S2P-M26</b>	
Changed by						Part number 2447-3033-X02	
						Project: IS-00425	
V3 standards updated		01.06.2021		DS		Application range for inquiry	
V2 changed request: DE-20-5013		24.03.2020		MSt		AN-IS-2013-00425	
V1 part number overview added		15.04.2019		DS		Sheet 1/1	
Version Change		Date		Name			

