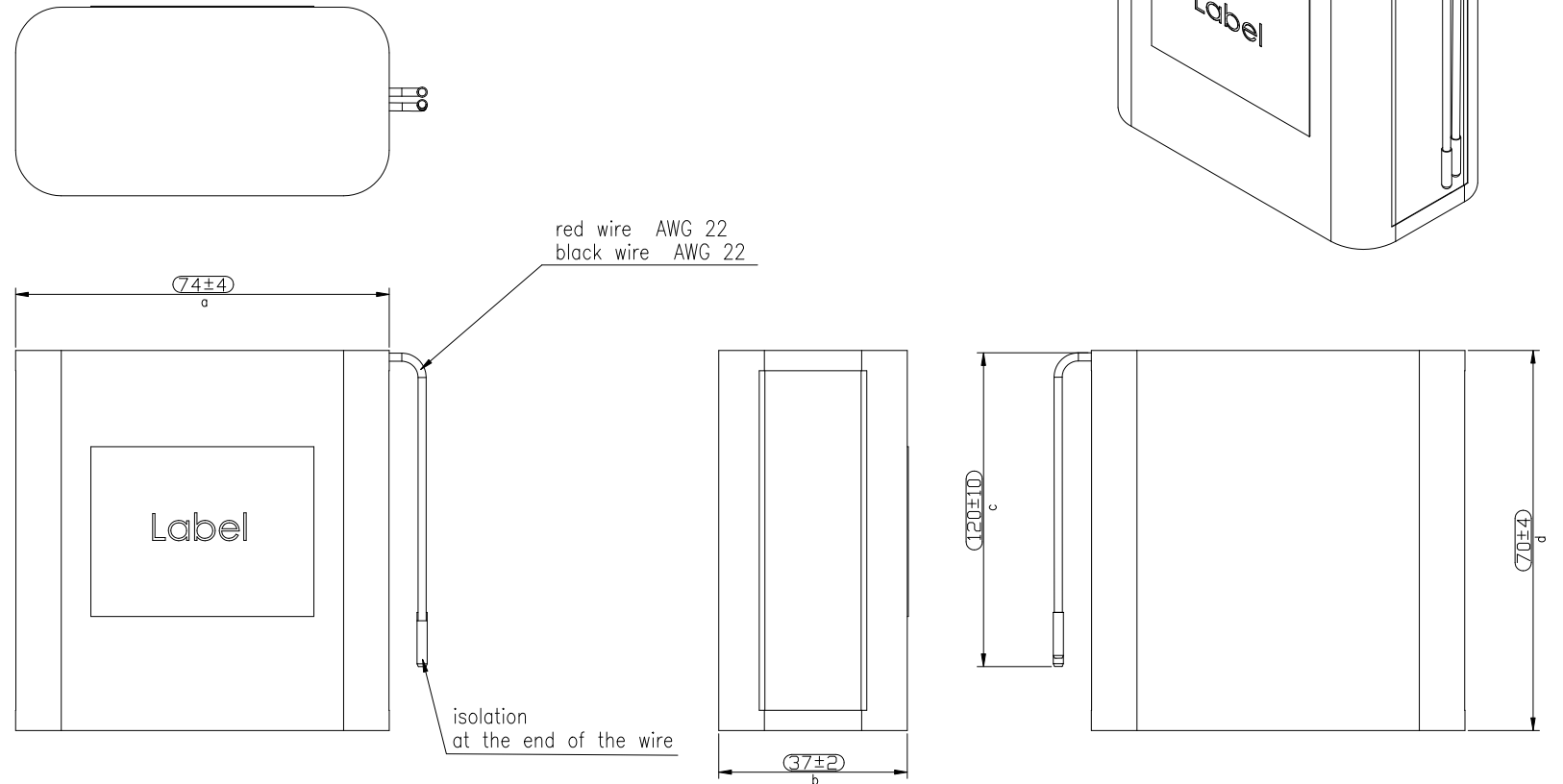


The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible form and series production. Through the selected manufacturing processes or materials, all errors in the internal and structure which could subsequently lead to an impairment of the component. These agreements are not subject to any further written approval.

- Technische Daten/  
technical data : Akkupack/  
batterypack
- Chemie/  
chemistry : Lithium Ion
- Zellenzahl/  
no. of cells : 8 Zellen/ cells INR18650 M26 LG ; 4S2P
- 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 : < 180mOhm (battery and safetyboard)
- Nominalspannung/  
nominal voltage : 14.4V
- Standard Ladespannung/  
standard charge voltage : 16.8V±1%
- Standard Entladespannung/  
standard discharge voltage : 11V
- Nominaler Ladestrom/  
nominal charge current : 0.5C
- Maximaler Ladestrom/  
maximum charge current : 1C
- 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...+20°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



batterypack covered with 1 layer of blue shrinktube

- Technische Daten/  
technical data : Sicherheitsschaltung/  
safety board
- 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
- Kurzschlusschutz/  
short circuit protection : gegen äußeren Kurzschluss/  
against external short circuit
- Temperaturerhalter/  
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 : 370g
- Leiterplattenmaterial/  
pcb material : FR4
- Standards : CE

Verwendungsbereich/Application range für Anfrage/for inquiry		Zul. Abweichung/ Allowable deviation	Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1	Gewicht/Weight
		Allgemeintoleranz DIN ISO 2768-m		Werkstoff/Work material, Modell-Nr.	
		2015	Datum/Date	Name	Zeichnungsname/Drawing name
		Erstellt/ Drawn by	26.06.	JH	Li-Ion Battery 14.4V 5200mAh with safetyboard
V3	updated	18.06.2020	DS		Zeichnungsnummer/Drawing number
V2	technical data updated	03.12.18	DS		Artikelnummer/Part number
V1	updated datasheet	21.09.17	MSt		2447-3004-520
Version	Anderung/Change	Datum/Date	Name	Ursprung/Origin	Ersatz für/Replaced by
					Ersatz durch/Replacement through:

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