

The supplier acknowledges that, with the acceptance of this drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible form and to deliver it in the required quantity and quality. He is not liable for any damage or injury to the component. Verbal agreements over and above that are not valid. Deviations from this rule must be written and must be signed by the purchaser.

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Technische Daten/
technical data : Akkupack/
batterypack
Chemie/
chemistry : Lithium Ion
Zellenzahl/
no. of cells : 2 Zellen/ cells INR18650 M26 LG ; 2S1P
Kapazität/
capacity : nom. 2600mAh discharge at 0.2C
min. 2500mAh discharge at 0.2C
ta:20°C; EV(Discharge End Voltage): 2.75V per cell

Innenwiderstand/
impedance : < 140mOhm (battery and safetyboard)
Nominalspannung/
nominal voltage : 7.2V
Standard Ladespannung/
standard charge voltage : 8.4V±1%
Standard Entladespannung/
standard discharge voltage : 5.5V
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 : 5000mA (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 : 4.3V±25mV per cell
Wiedereinschaltspannung/
over charge release voltage : 4.1V±50mV per cell
Entladeabschaltspannung/
over discharge detection voltage : 2.4V±50mV per cell
Wiedereinschaltspannung/
over discharge release voltage : 3V±100mV per cell
Nominaler Lade/Entladestrom/
nominal operating current : 5A
Entlade Abschaltstrom/
discharge cut off current : 13A± 3A

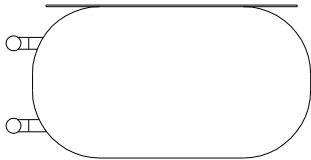
Kurzschlusschutz/
short circuit protection : gegen äußeren Kurzschluss/
against external short circuit

Temperarurschalter/
temperature switch : PTC: JK-P730 20V/ 7.3A at 25°C ; 6.2A at 40°C
MOSFET : in Masse
in Gnd

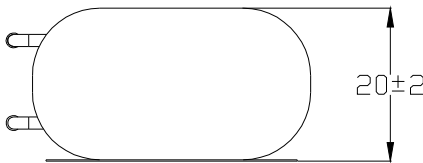
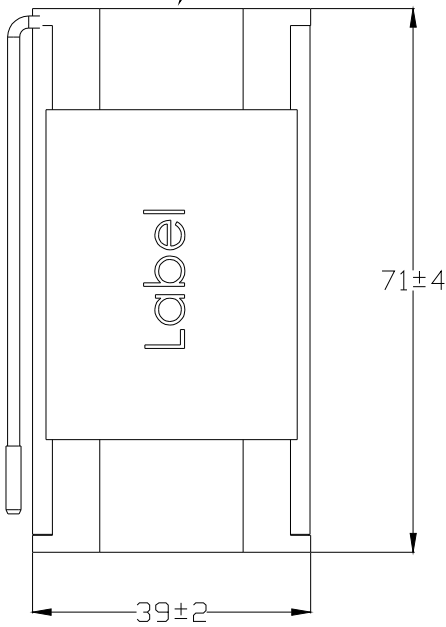
Rückstellkriterium/
release condition : Last trennen, Aktiv nach Anladen/
cut load, release after charging up

Nettogewicht/
net weight : ca./ approx. 100g
Leiterplattenmaterial/
pcb material : FR4

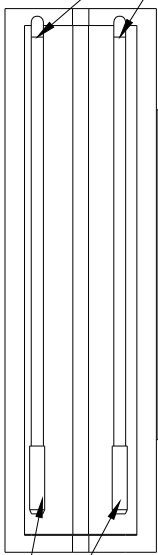
Standards : CE



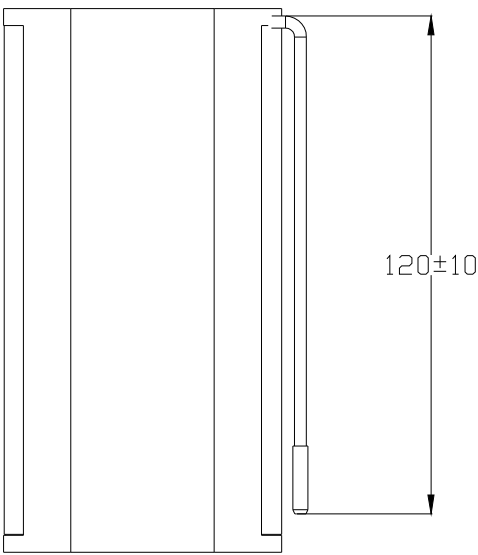
safetyboard



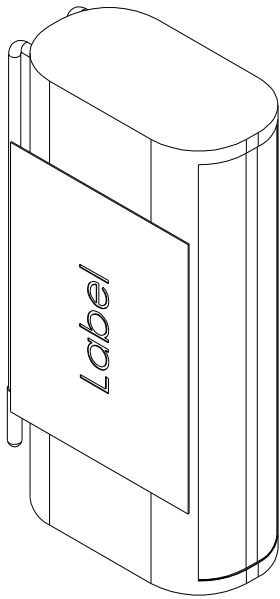
red wire AWG 22
black wire AWG 22



isolation
at the end of the wire



batterypack covered with 1 layer of blue shrinktube



Part Number	SAP Description
2447-3030-03	Li-Ion-7.2V-2600mAh-2S1P-M26
2447-3030-203	Li-Ion-7.2V-2600mAh-2S1P-M26/UK

Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2013-00422				Zul. Abweichung/ Allowable deviation		Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1		Gewicht/Weight		
				Allgemeintoleranz DIN ISO 2768-m			Werkstoff/Work material, Modell-Nr.				
				2019	Datum/Date	Name		Zeichnungsname/Drawing name			
				Erstellt/ Drawn by	25.01.	MS†		Li-Ion Battery 7.2V 2600mAh with safetyboard			
V3	change request: DE-20-5013	24.03.'20	MS†								
V2	change request: DE-20-5013	07.02.'20	MS†								
V1	part number overview added	15.04.19	DS								
V0	---	XX.XX.XX	XX								
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2013-00422				Zeichnungsnummer/Drawing number Artikelnummer/Part number		Blatt/ Sheet	
								2447-3030-X03		1	
				Ersatz für/Replaced by				Ersatz durch/Replacement through			

Zeichnungsnummer/Drawing number
Artikelnummer/Part number
2447-3030-X03
Blatt/
Sheet
1