

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 component. Verbal agreements over and above that are not valid. Deviations from this rule must be written and must be signed by the purchaser.

third parties in any way whatsoever without or prior written approval.

- Technische Daten/
technical data

Chemie/
chemistry

Zellentyp/
Cell type

Zellenzahl/
no. of cells

Kapazität/
capacity

Impedanz/
Impedance

Nominalspannung/
nominal voltage

Standard Ladespannung/
standard charge voltage

Standard Entladespannung/
standard discharge voltage

Nominaler Ladestrom/
nominal charge current

Maximaler Ladestrom/
max. charge current

Ladestrom/
charge end current

Maximaler Entladestrom/
maximum discharge current

Anwendungstemperaturbereich/
ambient temperature range

Standards/
- Akkupack/
Battery pack

Lithium Ion

INR18650-CQ-BAK

4 Zellen/ cells : 2S2P

nom. 5100mAh discharge at 0.2C
min. 5000mAh discharge at 0.2C

ta:20°C; EV(Discharge End Voltage): 5.5V

7.2V

8.4V±1%

5.5V

0.8C

5.1A

0.01C recommended

5.1A

0°C...+45°C charge
-20°C...+60°C discharge
-20°C...+25°C storage max. 1 year
-20°C...+45°C storage max. 3months

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

Abschaltspannung/
over charge voltage detection

Wiedereinschaltspannung/
over charge release voltage

Entladeschlussspannung/
over discharge detection voltage

Wiedereinschaltspannung/
over discharge release voltage

Nominaler Entladestrom/
nominal discharge current

Entlade Abschaltstrom/
discharge cut off current

Kurzschlusschutz/
short circuit protection

Temperaturumschalter/
temperature switch

Rückstellkriterium/
release condition

Leiterplattenmaterial/
pcb material

Standards
- Sicherheitsschaltung/
safety board

8.50V±50mV

8.16V±100mV

5.6V±100mV

6.0V±100mV

6.7A continuous

11.5A± 2A

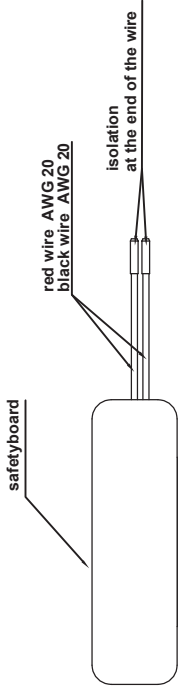
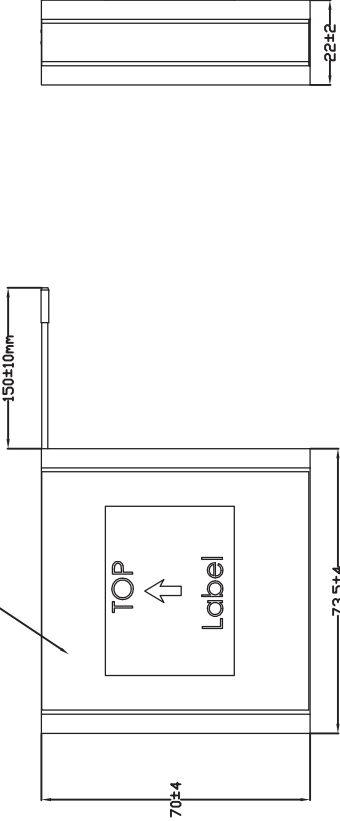
gegen äußeren Kurzschluss/
against external short circuit

Laet trennen, Aktiv nach Anladen/
cut load, release after charging up

FR4

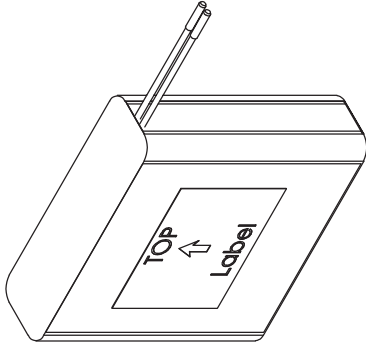
CE

battery pack covered with 1 layer of blue shrinktube



red wire AWG 20
black wire AWG 20

isolation
at the end of the wire



Application range for inquiry			Allowable deviation general tolerances		Tolerance principle		Model:	Material:	Weight:	
				DIN ISO 2768-m	ISO 8015	Scale (DIN A2): 1:1		All dimensions in mm		
				2021	Date	Name	Drawing name			
				Drawn by		Approved by				
V4	Update the width dim to 22	2023.05.26	HONG							
V3	updated text font	2023.04.26	HONG							
V2	Modify parameter remark	2023.04.13	HONG							
V1	updated parameter	2021.12.27	HONG							
V0	---	2022-71	MST							
Version	Change	Date	Name	Project	Released by:					
				71679	Released through:					
				Drawing number Part number		2447-3043-50				Sheet 1/1
				Li-Ion-7.2V-5100mAh-2s2p-CQ-BAK						