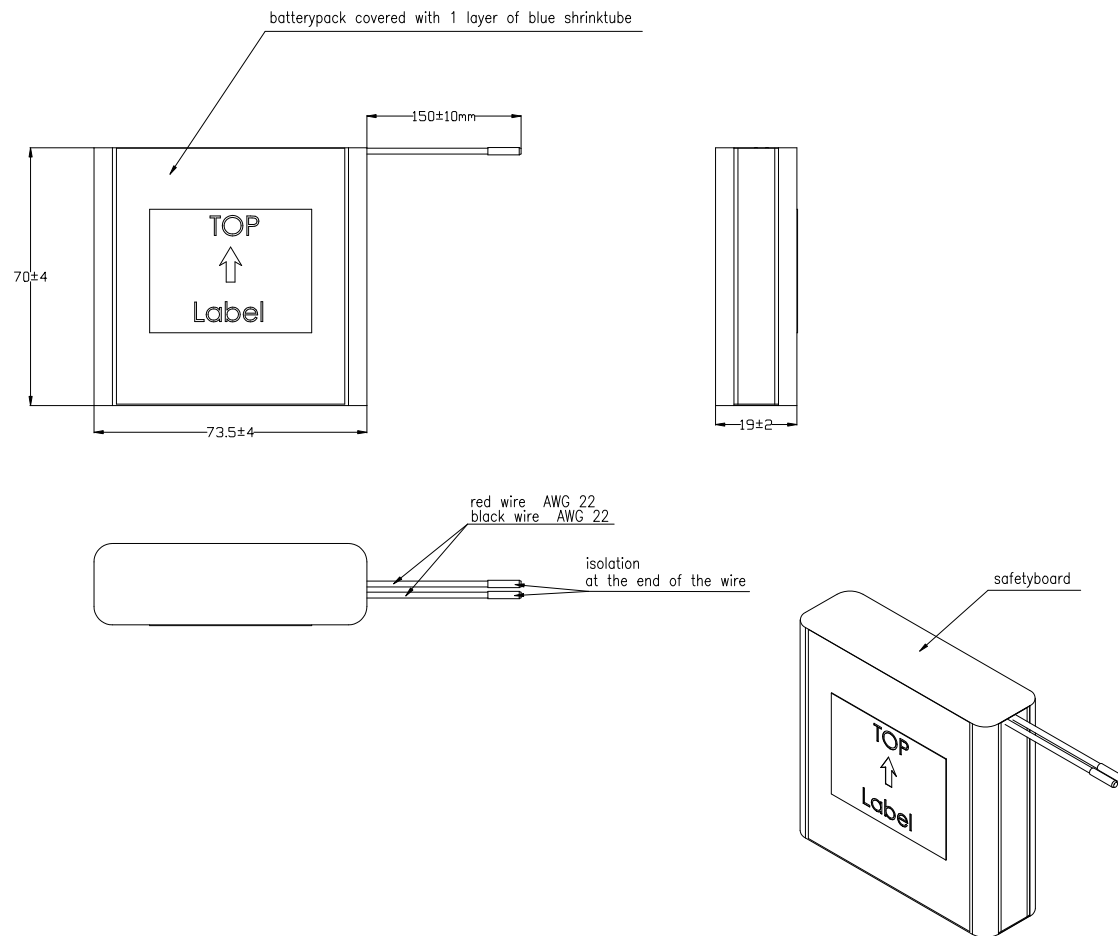


The supplier acknowledges that, with the acceptance of the drawing, he is obliged to manufacture the illustrated part in accordance with the drawing, irrespective of any reservations or comments. The manufacturer shall be responsible for any deviations from the drawing. The manufacturer shall be held liable for any damage caused by the use of the part.

This drawing may not be used, reproduced or made available to third parties in any way without the written approval of the manufacturer.

Technische Daten/ technical data	:	Akkupack/ Batterypack
Chemie/ chemistry	:	Lithium Ion
Zellentyp/ Cell type	:	INR18650 LGC B4
Zellenzahl/ no. of cells	:	4 Zellen/ cells ; 2S2P
Kapazität/ capacity	:	nom. 5200mAh discharge at 0.2C min. 5000mAh discharge at 0.2C  ta:20°C; EV(Discharge End Voltage): 5.5V
Innenwiderstand/ impedance	:	< 120mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	7.4V
Standard Ladespannung/ standard charge voltage	:	8.4V±1%
Nominaler Ladestrom/ nominal charge current	:	0.5C
Maximaler Ladestrom/ max. charge current	:	5000mA (limited by safetyboard)
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...+30°C storage max. 1 year
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	:	Sicherheitschaltung/ safety board
Abschaltspannung/ over charge voltage detection	:	8.6V±50mV
Wiedereinschaltspannung/ over charge release voltage	:	8.2V±100mV
Entladeabschaltspannung/ over discharge detection voltage	:	4.8V±100mV
Wiedereinschaltspannung/ over discharge release voltage	:	6V±100mV
Nominaler Entladestrom/ nominal discharge current	:	5A continuous
Entlade Abschaltstrom/ discharge cut off current	:	13A± 3A
Kurzschlusschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Rückstellkriterium/ release condition	:	Last trennen, Aktiv nach Anladen/ cut load, release after charging up
Standards	:	CE



Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2012-004.31		Zul. Abweichung/ Allowable deviation	Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1	Gewicht/Weight
		Allgemeintoleranz DIN ISO 2768-m		Werkstoff/Work material, Modell-Nr.	
		2013	Datum/Date Name	Zeichnungsname/Drawing name	
		Zeichner/ Drawn by	23.10.	JE	Li-Ion Battery 7.4V 5200mAh with safetyboard
V2	changed cell description	18.12.17	DS	Zeichnungsnummer/Drawing number	
V1	change request: DE-15-0022	15.01.16	MSJ	Artikelnummer/Part number	
				2447-3043-01	
Version	Anderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2013-004.31	Ersatz für/Replaced by
				Ersatz durch/Replacement through	Blatt/ Sheet 1