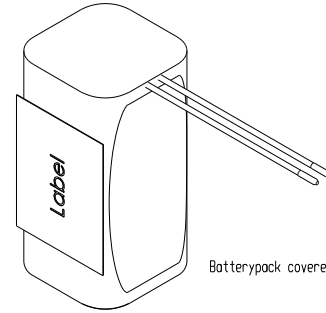
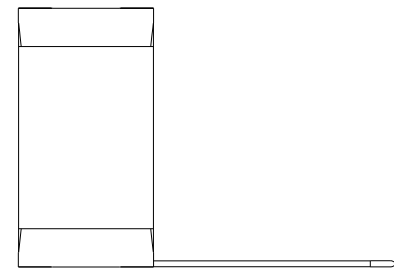
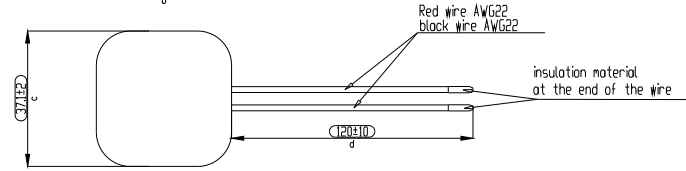
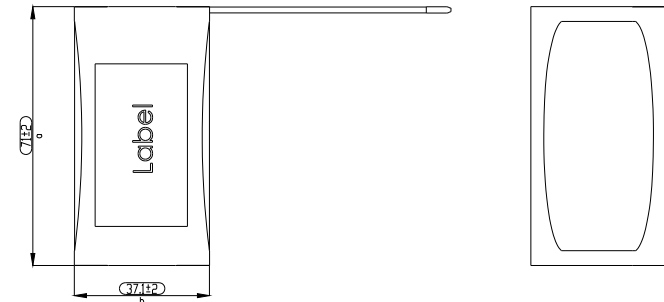


Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	4 Zellen/ cells ; 2S2P
Zellentyp/ cell type	:	INR18650 LGC MJ1
Kapazität/ capacity	:	nom. 7000mAh discharge at 0.2C min. 6700mAh discharge at 0.2C to 20°C; EV(Discharge End Voltage): 2.5V per cell
Innenwiderstand/ impedance	:	< 120mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	7.27V
Standard Ladespannung/ standard charge voltage	:	8.4V±1%
Standard Entladespannung/ standard discharge voltage	:	5.0V
Nominaler Ladestrom/ nominal charge current	:	0.5C
Maximaler Ladestrom/ maximum charge current	:	5000mA (limited by safetyboard)
Ladeendstrom/ charge end current	:	0.01C recommended
Maximaler Entladestrom/ maximum discharge current	:	5000mA (limited by safetyboard)
Anwendungsbereich/ ambient temperature range	:	0°C...+45°C charge -20°C...+60°C discharge -20°C...+30°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 (0180-3029)
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	:	3.0V±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
Temperaturschalter/ 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
Leiterplattenmaterial/ pcb material	:	FR4
Nettogewicht/ net weight	:	196g
Standards	:	CE, UKCA



Batterypack covered with 2 layers of blue shrinktube



Part Number	SAP Description
2447-3049-20	Li-Ion-7.27V-7000mAh-2S2P-Block-PTC/LG
2447-3049-220	Li-Ion-7.3V-7000mAh-2S2P-block-PTC/UK

Allowable deviation general tolerances		Surface:	Material:	Weight
DIN ISO 2768-m			Scale (DIN A2): 1:1	Projection method 1
Date		Product name:		
Name		Li-Ion-7.27V-7000mAh-2S2P-Block-PTC/LG		
Drawn by		Part number		
Date		2447-3049-X20		Project:
Name		IS-2016-01263		Sheet
Application range for inquiry		XXX/XX		
Version		1/1		

Version	Change	Date	Name
V5	standards updated	15.06.2021	LT
V4	change request DE-20-5013	17.02.2020	MS
V3	part number overview added	15.04.2019	DS
V2	cable length changed	16.01.2018	DS
V1	change request DE-17-0071	14.11.2017	DS
V0	created this D/S	12.10.2016	JX

