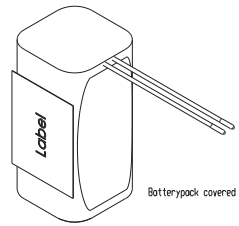
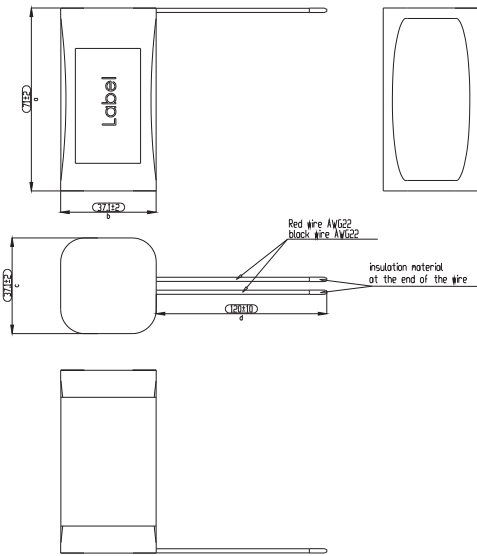


Technische Daten/
 technical data : Akkupack/
 battery pack
 Chemie/
 chemistry : Lithium Ion
 Zellenzahl/
 no. of cells : 4 Zellen/ cells ; 2S2P
 Zellentyp/
 cell type : IMR18650 LGC MJ1
 Kapazität/
 capacity : nom. 700mAh discharge at 0.2C
 min. 670mAh discharge at 0.2C
 to 20°C; EVD discharge End Voltage: 2.5V per cell
 Innenwiderstand/
 impedance : < 120mOhm (battery and safetyboard)
 Nennspannung/
 nominal voltage : 7.27V
 Standard Ladespannung/
 standard charge voltage : 8.4V±1%
 Standard Entladespannung/
 standard discharge voltage : 5.0V
 Nennlicher Ladestrom/
 nominal charge current : 0.5C
 Maximaler Ladestrom/
 maximum charge current : 5000mA (limited by safetyboard)
 Ladeendstrom/
 charge end current : 0.01C recommended
 Maximaler Entladesstrom/
 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/
 : IEC 3480, Subsection 3B3
 All cells and battery packs type tested according
 to IEC manual of test and criteria subsection 3B3
 Technische Daten/
 safety board (0160-3029)
 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
 Nennlicher Lade/Entladesstrom/
 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; 62A at 40°C
 NDSFI : 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, UN38



Battery pack 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

Version		Change	Date	Name	Allowable deviation general tolerances	Surface:	Material:	Weight
DN/ISO 2768-m							Scale (DN A2): 1:1	1
Drawn by		13.10.2016	JK		Projection method			
Changed by					Product name:			
V5 standards updated		11.02.2017	LT		Li-Ion-7.27V-7000mAh-2S2P-Block-PTC/LG			
V4 change request DE-20-20073		17.02.2017	MB		Part number		Project:	
V3 part number override added		11.02.2017	DS		2447-3049-X20		IS-2016-01263	
V2 cable length changed		11.02.2018	DS		Application range for inquiry		XXX/XX	
V1 change request DE-17-0071		14.12.2017	DS		Sheet		1/1	
V0 created this DTS		03.02.2016	JK					

