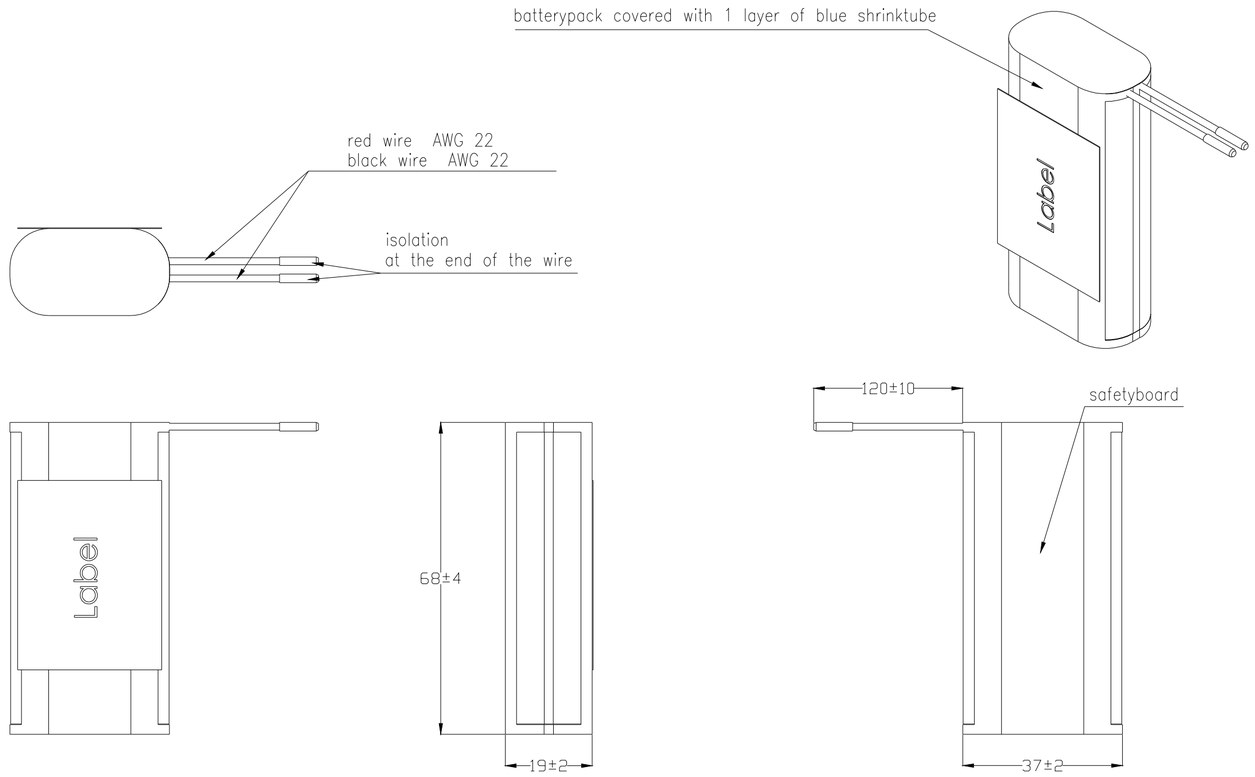
The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated part in acceptance with the drawing or reproduce the illustrated product. The drawing may not be copied, reproduced or made available to third parties in any way whatsoever without prior written approval. Deviations from this rule must be writing and must be signed by the purchaser. Verbal agreements over and above that are not valid. Deviations from this rule must be writing and must be signed by the purchaser. The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated product. Verbal agreements over and above that are not valid. Deviations from this rule must be writing and must be signed by the purchaser. impairment of the component.

This drawing may not be copied, reproduced or made available to third parties in any way whatsoever without prior written approval.

Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	2 Zellen/ cells INR18650 M26 LG ; 1S2P
Kapazität/ capacity	:	nom. 5200mAh discharge at 0.2C min. 5000mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.75V per cell
Innenwiderstand/ impedance	:	< 80mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	3.6V
Standard Ladespannung/ standard charge voltage	:	4.2V±1%
Standard Entladespannung/ standard discharge voltage	:	2.75V
Nominaler Ladestrom/ nominal charge current	:	0.5C
Maximaler Ladestrom/ maximum charge current	:	3000mA (limited by safetyboard)
Ladeendstrom/ charge end current	:	0.01C recommended
Maximaler Entladestrom/ maximum discharge current	:	3000mA (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 at20°C ≤ 10% / month at30°C ≤ 20% / month at40°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	:	4.325V±50mV per cell
Wiedereinschaltspannung/ over charge release voltage	:	4.075V±100mV per cell
Entladeabschaltspannung/ over discharge detection voltage	:	2.5V±100mV per cell
Wiedereinschaltspannung/ over discharge release voltage	:	2.9V±100mV per cell
Nominaler Lade/Entladestrom/ nominal operating current	:	3A
Entlade Abschaltstrom/ discharge cut off current	:	8.5A± 2A
Kurzschlussschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Temperarurschalter/ temperature switch	:	PTC: JK-P450 20V/ 4.5A at 25°C ; 3.9A 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

Part Number	SAP Description
2447-3033-02	Li-Ion-3.6V-5200mAh-1S2P-M26
2447-3033-202	Li-Ion-3.6V-5200mAh-1S2P-M26/UK

Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2013-00425	Zul. Abweichung/ Allowable deviation	Oberflache/ Surface	Maßstab/Scale (DIN A2): 1:1
	Allgemeintoleranz DIN ISO 2768-m		Gewicht/Weight
			Werkstoff/Work material, Modell-Nr.
	2019	Datum/Date	Name
	Erstellt/ Drawn by	25.01.	MSt
			Zeichnungsname/Drawing name Li-Ion Battery 3.6V 5200mAh with safetyboard

Version	Änderung/Change	Datum/Date	Name
V2	change request: DE-20-5013	24.03.'20	MSt
V1	part number overview added	15.04.19	DS
V0	---	XX.XX.XX	XX

ANSMANN®

Ursprung/Origin Proj. IS-2013-00425

Zeichnungsnummer/Drawing number
Artikelnummer/Part number
2447-3033-X02

Blatt/ Sheet 1

Ersatz für/Replaced by

Ersatz durch/Replacement through