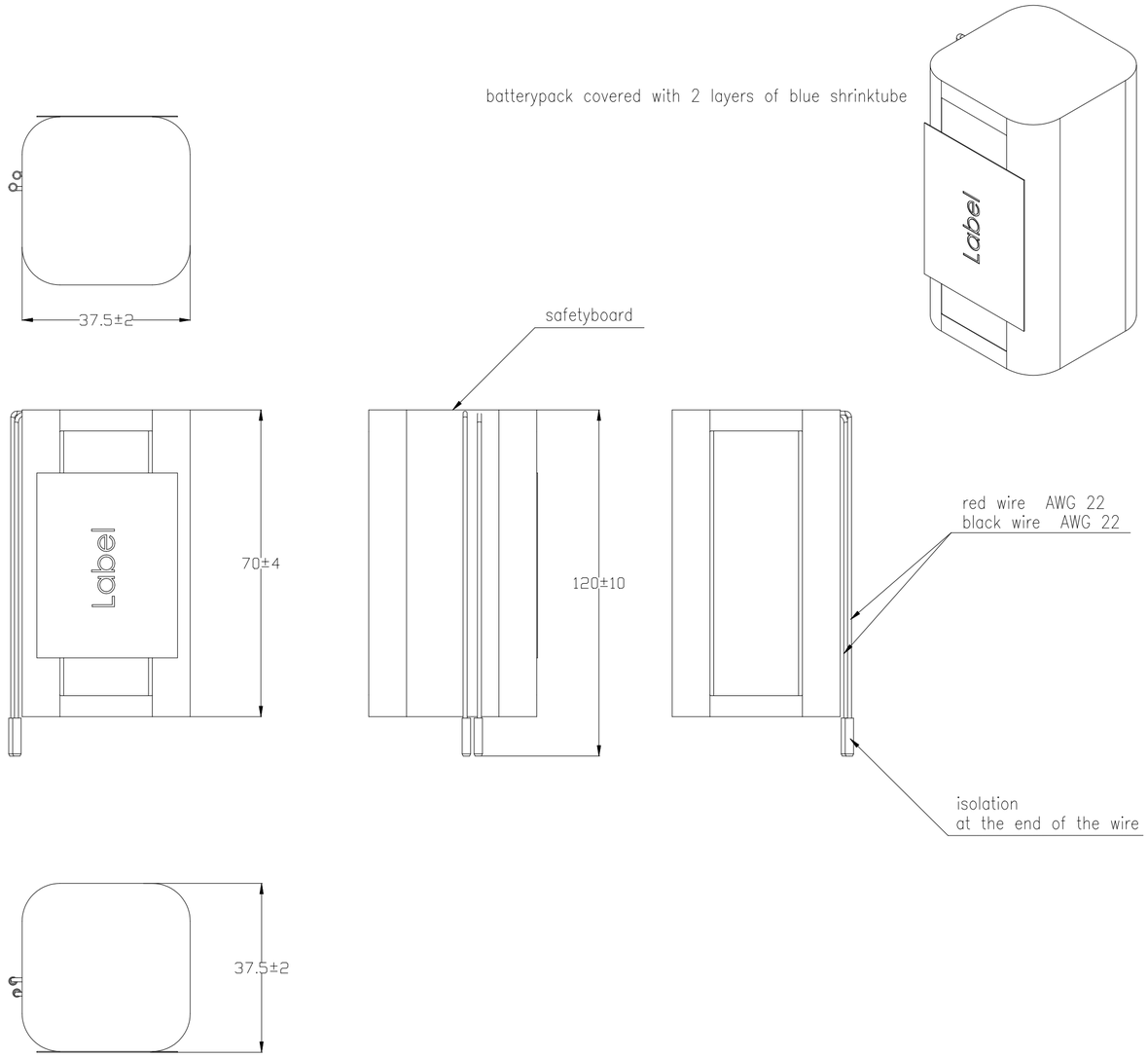
Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	4 Zellen/ cells ICR18650 LGC B4 ; 4S1P
Kapazität/ capacity	:	nom. 2600mAh discharge at 0.2C min. 2500mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.75V per cell
Innenwiderstand/ impedance	:	< 300mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	14.8V
Standard Ladespannung/ standard charge voltage	:	16.8V±1%
Standard Entladespannung/ standard discharge voltage	:	11V
Nominaler Ladestrom/ nominal charge current	:	0.5C
Maximaler Ladestrom/ maximum charge current	:	1C
Ladeendstrom/ charge end current	:	0.01C recommended
Maximaler Entladestrom/ maximum discharge current	:	4000mA (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 −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±25mV per cell
Wiedereinschaltspannung/ over charge release voltage	:	4.15V±50mV per cell
Entladeabschaltspannung/ over discharge detection voltage	:	2.4V±80mV per cell
Wiedereinschaltspannung/ over discharge release voltage	:	3V±80mV per cell
Nominaler Lade/Entladestrom/ nominal operating current	:	4A
Entlade Abschaltstrom/ discharge cut off current	:	15A± 5A
Kurzschlussschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Temperarurschalter/ temperature switch	:	---
MOSFET	:	im Pluszweig/ in positive path
Rückstellkriterium/ release condition	:	Last trennen, Aktiv nach Anladen/ cut load, release after charging up
Nettogewicht/ net weight	:	190g
Leiterplattenmaterial/ pcb material	:	FR4
Standards	:	CE

Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2013-00428			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
			Erstellt/ Drawn by	23.10.	JE
					Zeichnungsname/Drawing name Li-Ion Battery 14.8V 2600mAh with safetyboard
V1	change request: DE-15-0022	15.01.16	MSt	ANSMANN	Zeichnungsnummer/Drawing number Artikelnummer/Part number 2447-3036-01 — Blatt/ Sheet 1
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2013-00428	Ersatz für/Replaced by — Ersatz durch/Replacement through:

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 from 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 writing and must be signed by the purchaser.

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