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Technische Daten/ technical data : Akku/ battery
 Chemie/ chemistry : Li-Ion
 Zellenzahl/ no. of cells : 1 Zelle/ cell INR 18650 M29 LG
 Kapazität/ capacity : nom. 2850mAh discharge at 0.2C
 min. 2750mAh discharge at 0.2C
 ta:20°C; EV(Discharge End Voltage): 2.75V per cell

Innenwiderstand/ impedance : < 100mOhm (battery and safetyboard)
 Nominalspannung/ nominal voltage : 3.67V
 Standard Ladespannung/ standard charge voltage : 4.2V±1%
 Standard Entladespannung/ standard discharge voltage : 2.75V per cell
 Nominaler Ladestrom/ nominal charge current : 0.5C
 Maximaler Ladestrom/ maximum charge current : 2500mA (limited by safetyboard)
 Ladeendstrom/ charge end current : 0.01C recommended
 Maximaler Entladestrom/ maximum discharge current : 2500mA (limited by safetyboard)
 Anwendungsbereich/ 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 battery packs 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

Wiedereinschaltspannung/ over charge release voltage : 4.075V±50mV

Entladeabschaltspannung/ over discharge detection voltage : 2.5V±100mV

Wiedereinschaltspannung/ over discharge release voltage : 2.9V±100mV

Nominaler Lade/Entladestrom/ nominal operating current : 2.5A

Entlade Abschaltstrom/ discharge cut off current : 5A±1A

Kurzschlusschutz/ short circuit protection : gegen äußeren Kurzschluss/ against external short circuit

Temperaturschalter/ temperature switch : PTC: SMD1812R400SF; 6V/4A at 25°C ; 3.41A at 40°C

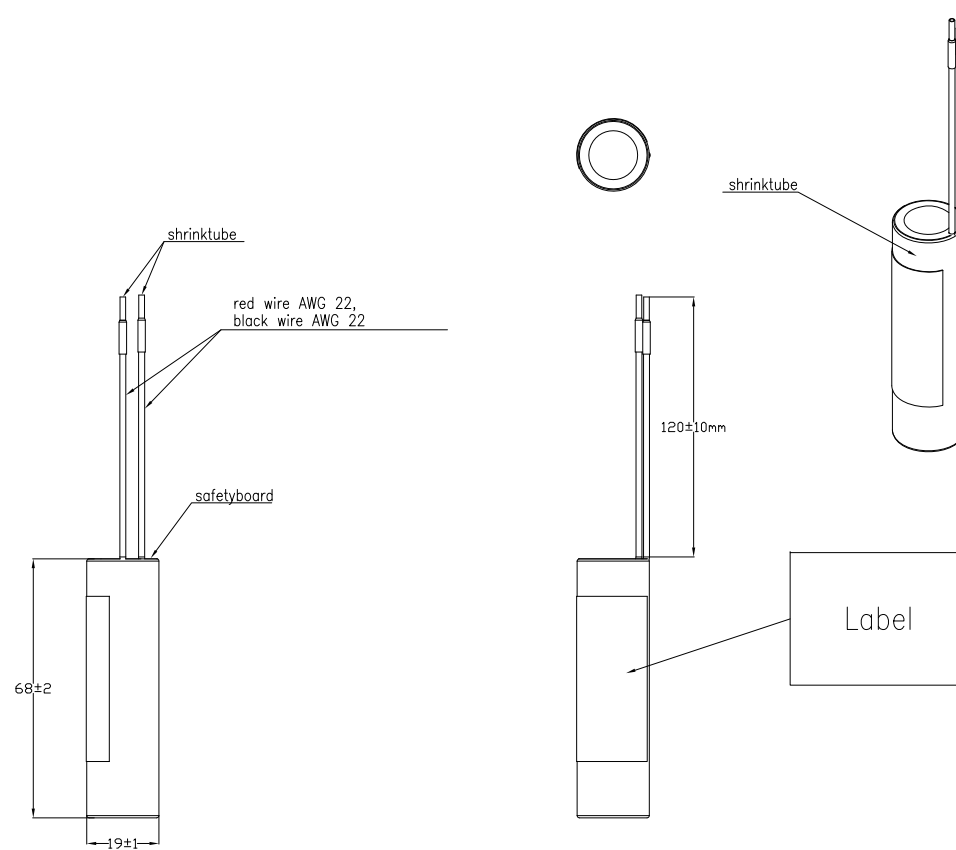
MOSFET : in Masse
 in Gnd

Rückstellkriterium/ release condition : Last trennen, Aktiv nach Aufladen/
 cut load, release after charging up

Nettogewicht/ net weight : 47.5g

Leiterplattenmaterial/ pcb material : FR4

Standards : CE



Part Number	SAP Description
2347-3008-09	Li-Ion-3.67V-2850mAh-1S1P-PTC-M29

Verwendungsbereich/Application range		Zul. Abweichung/ Allowable deviation	Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1	Gewicht/Weight
für Anfrage/for inquiry AN-IS-2013-00421		Allgemeintoleranz DIN ISO 2768-m		Werkstoff/Work material, Modell-Nr.	
		2019	Datum/Date	Zeichnungsname/Drawing name	
		Erstellt/ Drawn by	24.01.	MSt	Li-Ion Battery 3.67V 2850mAh with safetyboard
VO	PTC information added	24.10.19	JX	Zeichnungsnummer/Drawing number	
VO	---	10.10.19	MSL	2347-3008-XXX	
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2013-00421	Ersatz für/Replaced by
					Ersatz durch/Replacement through

