battery type: battery size: chemical system:		lithium primary battery CR-123A (CR-17345) Manganese Dioxide Lithium Battery
		conditions, remarks
nominal voltage: open circuit voltage: closed circuit voltage:	3.0 V 3.03.5 V 2.93.4 V	new battery measured after 1s under load of 50 $\!\Omega$
capacity		measurements at 23°C ambient; new battery
rated:	1500 mAh	discharge at 10mA constant; 24hours/day End Voltage (EV): 2.0V
minimum:	1375 mAh	discharge at 15mA constant; 24hours/day End Voltage (EV): 2.0V
	1000 mAh	discharge at 1000mA constant; continuous End Voltage (EV): 2.0V
duration		new battery
pulse load:	>1600 cycles	load: 900mA for 3s, rest time 27s at 23°C; End Voltage (EV): 1.55V
	>1000 cycles	load: 1200mA for 3s, rest time 7s at 23°C; End Voltage (EV): 1.55V
discharge diagrams Pulse Discharge Characteristics		Discharge Characteristics Discharge Characteristics
3.5 3.0 2.5 2.0 1.5 1.0 0 500.0 1000.0 1500.0 1 Duration(cycle)	3.0	Current: 20mA-cont 3.5 25°C -20°C -20°C -20°C -20°C -20°C D 20.0 40.0 60.0 Duration(hour) 0 20.0 40.0 60.0 80.0 100.0
max. discharge current continuous: pulse:	1000 mA 3000 mA	
internal resistance:	≤ 0.5 Ω	sine wave AC method (1kHz; 0.1mA) according to IEC 896-2
shelf life:	10 years	under proper storage conditions
ambient temperature		

ambient temperature range:	- 2060 °C - 2045 °C 520 °C	operating temperature storage temperature recommended storage tempe	rature
relative humidity: mechanical specifications cell dimensions	≤ 70%	during storage	
diameter: height: weight:	17.0 - 0.7 34.5 - 1.0 16.5 ± 2	mm 🔛	34.2± 0.3mm
blister card dimensons: weight (incl. battery)	123 x 86 mm 25 g	NWA.	98
	ANSMANN Specifications for model:		CR-123A Lithium Battery 1pcs blister package
	data sheet no. / part no.		5020012
	supplier no.		703331
	author / date		TG / 11.04.2017

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 Manufacturer reserves the right to alter or amend the design, model and specification without prior notice