| battery type: battery size: chemical system: | | lithium primary battery CR-123A (CR-17345) Manganese Dioxide Lithium B | 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 50Ω |
| capacity | | measurements at 23°C ambie | ent; new battery |
| rated: | 1500 mAh | discharge at 10mA constant; 2 End Voltage (EV): 2.0V | 24hours/day |
| minimum: | 1425 mAh | discharge at 15mA constant; 2 End Voltage (EV): 2.0V | 24hours/day |
| | 1000 mAh | discharge at 1000mA constan End Voltage (EV): 1.0V | it; continuous |
| duration | | new battery | |
| pulse load: | | load: 900mA for 3s, rest time 27s | |
| | 1600 cycles | at 23°C; End Voltage (EV): 1. | |
| | 1000 cycles | load: 1200mA for 3s, rest time at 23°C; End Voltage (EV): 1. | |
| discharge diagrams | voltage(V) Battery T | est Data Curve Chart voltage(V) | Battery Test Data Curve Chart |
| | 3,60 | 2,70 | |
| | 3,20 | 2,40 | |
| | 2,80 | 2,10 | |
| | 2,00 | 1.50 | |
| | 1,60 | 1.20 - | |
| | 1.20 | 0,90 | |
| | 0,40 | | |
| | 0,00 0 650 1300 1950 2600 | 3250 3900 4550 5200 5850 6500 1 | 21 41 61 81 101 121 141 161 181 201 |
| | load: 15m | A; 24h/d; ta: 20°C | load: 900mA for 3s; rest time 27s; ta:20°C |
| max. continuous discharge current: | 1500 mA | at 20°C | |
| internal resistance: | ≤0.5 Ω | sine wave AC method (1kHz; according to IEC 896-2 | 0.1mA) |
| shelf life: | 10 years | under proper storage condition | ns |
| ambient temperature | | | |
| range: | - 2060 °C | operating temperature | |
| | - 2045 °C | storage temperature | |
| | 520 °C | recommended storage tempe | rature |
| rolotivo humiditu | < 70% | | ¢17.0.8s (0.6693 ₀₀₀) ¢6.3±0.1 (0.248±0.004) |
| relative humidity: | ≤ 70% | during storage | |
| mechanical specificat | tions | | |
| cell dimensions diameter: | 17.0 - 0.7 | mm | |
| height: | | mm | |
| weight: | 17 ±2 | g 📄 | 0.07±0.5 0.07±0.5 -34.2% |
| | | | 9000000000000000000000000000000000000 |
| | ANSMANN Sn | ecifications for model: | CR-123A Lithium Battery |
| | | | bulk package |
| | | part no. | 5020011 |
| | Version no. | | Gramlich / 20.11.2012 |
| Manufact | author / date | alter or amend the design model ar | Gramlich / 20.11.2012 |

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