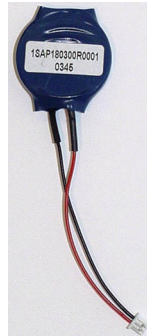


DATA SHEET

TA521

Battery



1 Ordering data

Part no.	Description	Product life cycle phase *)
1SAP 180 300 R0001	TA521, lithium battery	Active



*) Modules in lifecycle Classic are available from stock but not recommended for planning and commissioning of new installations.

Certification and declaration details on the lithium battery is provided by the battery supplier and can be downloaded: [safety data sheet \(supplier\)](#)

2 Technical data

Parameter	Value
Nominal voltage	3 V
Nominal capacity	560 mAh
Temperature range (index below C0)	Operating: 0 °C ... +60 °C Storage: -20 °C ... +60 °C Transport: -20 °C ... +60 °C
Temperature range (index C0 and above)	Operating: -40 °C ... +70 °C Storage: -40 °C ... +85 °C Transport: -40 °C ... +85 °C
Battery lifetime	Typ. 3 years at +25 °C

Parameter	Value
Self-discharge	2 % per year at +25 °C 5 % per year at +40 °C 20 % per year at +60 °C
Protection against reverse polarity	Yes, by mechanical coding of the plug.
Insulation	The battery is completely insulated.
Connection	Red = positive pole = above at plug, black = negative pole,
Weight	7 g
Dimensions	Diameter of the button cell: 24.5 mm Thickness of the button cell: 5 mm