



Temperature module,IB IL TEMP 2 RTD-PAC,2861328

URL:<https://www.sxplc.com/temperature-module-ib-il-temp-2-rtd-pac-2861328>

Product data sheet

Connection method	Spring-cage connection
Connection technology	2-, 3-, 4-conductor
Note regarding the connection technology	shielded
A/D conversion time	typ. 120 μ s (per channel)
A/D converter resolution	16 bit
Sensor types (RTD) that can be used	Pt, Ni, KTY, Cu sensors, linear resistors
Measuring principle	Successive approximation
Measured value representation	16 bit two's complement
Linear resistance measuring range	0 Ω ... 400 Ω 0 Ω ... 4 k Ω
Process data update	32 ms (both channels use 3-conductor technology) 20 ms (one channel in 2-conductor technology and one channel in 4-conductor technology) 20 ms (both channels in 2-conductor technology)

Product properties

Product type	I/O component
Product family	Inline
Type	modular
Scope of delivery	including Inline connector and labeling field
Operating mode	Process data operation with 2 words
Diagnostics messages	Failure of the internal I/O supply I/O error message sent to the bus coupler Failure of or insufficient communications power U_L I/O error message sent to the bus coupler I/O error Error message in the process data User error Error message in the process data

Insulation characteristics

Overvoltage category	II (IEC 60664-1, EN 60664-1)
Pollution degree	2 (IEC 60664-1, EN 60664-1)

Electrical properties

Maximum power dissipation for nominal condition	0.59 W
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Potentials

Power consumption	typ. 587 mW max. 882 mW
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Potentials: Communications power (U_L)

Supply voltage	7.5 V DC (via voltage jumper) max. 60 mA typ. 43 mA
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