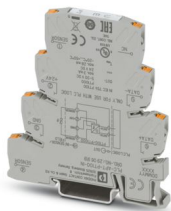


PLC-APT-PT100-IN - Analog module



2906919
<https://www.phoenixcontact.com/us/products/2906919>

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Pt 100/Pt 1000 temperature transducer for PLC logic logic modules (Generation 2 only), single-channel, signal type (Pt 100, Pt 1000) can be configured via DIP switch, Push-in connection

Commercial data

Item number	2906919
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C424
Product key	CK2622
Catalog page	Page 433 (C-5-2019)
GTIN	4055626155500
Weight per piece (including packing)	73 g
Weight per piece (excluding packing)	50.3 g
Customs tariff number	85389099
Country of origin	DE

Technical data

Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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Product properties

Product type	Extension module
Product family	PLC logic
Operating mode	100% operating factor

Data management status

Article revision	04
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Insulation characteristics: Air clearances and creepage distances

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Electrical properties

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV

Supply

Rated control circuit supply voltage U_S	24 V DC
Rated control supply voltage range with reference to U_S	0.8 ... 1.1
Rated control supply current I_S	14 mA
Protective circuit	Reverse polarity protection
	Surge protection

Input data

Analog input resistance

Sensor types (RTD) that can be used	Pt 100 (IEC 60751, $\alpha = 0,00385$)
Number of inputs	1
Connection technology	2-conductor
Sensor input current	900 μ A
Temperature measuring range	-50 °C ... 200 °C
Maximum temperature coefficient	0.01 %/K
Maximum transmission error	1 %
Surge voltage protection	> 33 V
Resolution	10 bit (scaled to 0 to 1000)

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Analog input resistance

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Number of inputs	1
Connection technology	2-conductor
Sensor input current	900 μ A
Temperature measuring range	-50 °C ... 200 °C
Maximum temperature coefficient	0.01 %/K
Maximum transmission error	1 %
Surge voltage protection	> 33 V
Resolution	10 bit (scaled to 0 to 1000)

Output data

Digital

Output name	Digital output
Switching voltage range	5 V DC ... 30 V DC
Switching current	≤ 3 mA

Connection data

Connection method	Push-in connection
Stripping length	10 mm
Number of connections	4
Conductor cross section rigid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	26 ... 14

Signaling

Operating voltage display	Green LED
Error indication	Red LED

Dimensions

Width	6.2 mm
Height	80 mm
Depth	95 mm

Material specifications

Color	gray (RAL 7042)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

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Approvals

CE	
Certificate	CE-compliant
UL, USA/Canada	
Identification	UL 508 Listed

Standards and regulations

Air clearances and creepage distances	
Standards/regulations	DIN EN 50178

Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

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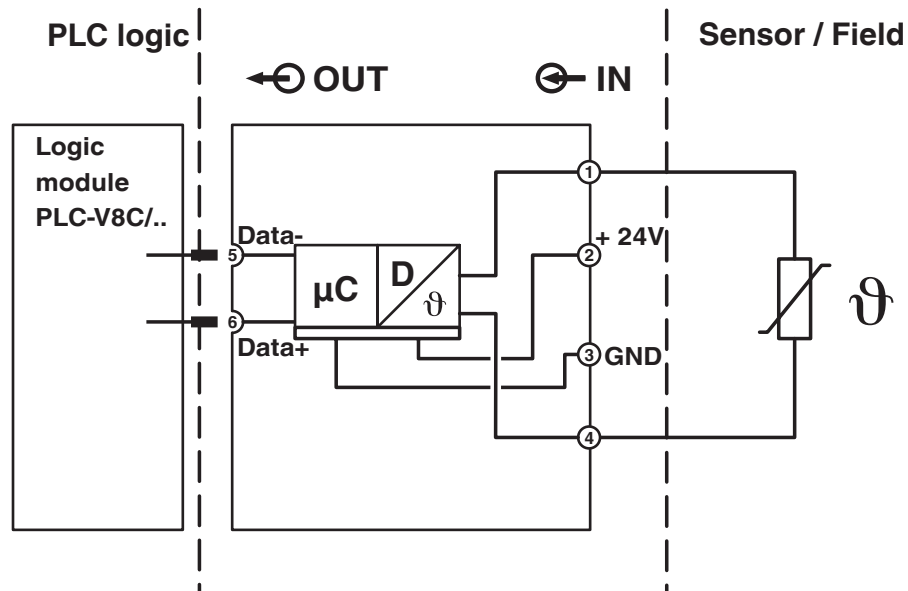
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Drawings

Block diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2906919>



EAC

Approval ID: RU*DE.*08.B.01517/19



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705

cULus Listed

PLC-APT-PT100-IN - Analog module



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Classifications

ECLASS

ECLASS-11.0	27242201
ECLASS-13.0	27242201
ECLASS-12.0	27242201

ETIM

ETIM 9.0	EC001420
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	9b8eefa1-17ef-4128-be9a-cd6923b16263

PLC-APT-PT100-IN - Analog module



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Mandatory accessories

PLC-V8C/PT-24DC/BM2 - Controller

2907446

<https://www.phoenixcontact.com/us/products/2907446>



PLC logic basic module, Generation 2, with 16 I/Os, for plug-in connection to eight digital or analog PLC-INTERFACE terminal blocks, can be extended to 48 I/Os, real-time clock, micro USB female connector, accommodates memory module and Bluetooth adapter, Push-in connection

PLC-V8C/SC-24DC/BM2 - Controller

2907447

<https://www.phoenixcontact.com/us/products/2907447>



PLC logic basic module, Generation 2, with 16 I/Os, for plug-in connection to eight digital or analog PLC-INTERFACE terminal blocks, can be extended to 48 I/Os, real-time clock, micro USB female connector, accommodates memory module and Bluetooth adapter, screw connection

PLC-APT-PT100-IN - Analog module

2906919

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PLC-V8C/PT-24DC/SAM2 - Controller

2907443

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PLC logic stand-alone module, Generation 2, with 16 I/Os, for plug-in connection to eight digital or analog PLC-INTERFACE terminal blocks, cannot be extended, real-time clock, micro USB female connector, accommodates memory module and Bluetooth adapter, Push-in connection

PLC-V8C/SC-24DC/SAM2 - Controller

2907445

<https://www.phoenixcontact.com/us/products/2907445>



PLC logic stand-alone module, Generation 2, with 16 I/Os, for plug-in connection to eight digital or analog PLC-INTERFACE terminal blocks, cannot be extended, real-time clock, micro USB female connector, accommodates memory module and Bluetooth adapter, screw connection

PLC-APT-PT100-IN - Analog module

2906919

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PLC-V8C/PT-24DC/RS485 - Controller

1452919

<https://www.phoenixcontact.com/us/products/1452919>



PLC logic basic module with RS-485 connection for Modbus/RTU communication, with 16 I/Os, for plug-in connection to 8 digital or analog PLC-INTERFACE terminal blocks, can be extended to 48 I/Os, real-time clock, micro USB female connector, accommodates memory module and Bluetooth adapter, Push-in connection

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