

Features

- Safe wiring with Push-In connection terminal
- Faster and tool-free wiring
- Improved air intakes for ventilation
- Easy adjustability of switch temperature setting
- for use in up to 5,000 m altitude
- Setting -10 to 50°C
- Normally Closed

RS PRO Thermostats

RS Stock No.: 0319831



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

RS PRO Thermostats ensure perfect climatic conditions in control cabinets and enclosures using our temperature and humidity control systems: our temperature controllers and hygrostats control and regulate connected heaters or filter fans with both AC- and DC-powered applications, thereby enabling the perfect feel-good climate for your electronics.

The mechanical **NC** thermostat opens when the temperature rises and is used to control heaters or to switch signal transmitters when the temperature undershoots. The use of push-in terminals prevents the supply lines from coming loose.

Fixed supply lines thanks to push-in terminals

Time saving thanks to tool-free connection

Large adjustment wheel enables convenient adjustment

Optimised air inlets

Can be used at altitudes of up to 5000 metres

General Specifications

Thermostat Type	Bi-Metallic
Switch Configuration	Snap-action Contact
Minimum Operating Temperature	-45°C
Maximum Operating Temperature	+80°C
Setting Dial	+20 to 80°C
Switch Function	Contact – Normally Closed – Opens on rising temperature. NC
Service Life	100000 cycles verified
Temperature Tolerance	7K (±4 K Tolerance)
Applications	Control Cabinets, Switchgear, Automation, Panels & Enclosures, Ventilation and air-conditioning industry

Electrical Specifications

Contact Rating	Resistive	Inductive
	3a (230v), 15A (110v)	2A
Contact Voltage Rating	230VAC (max250v), 110VAC, 24VDC (30W)	
Max In-rush current	AC 16A for 10s	
Terminal Type	3 Push-in Clamps, Rigid wire 2.5mm ² (AWG14), Stranded wire 1.5mm ² (AWG16)	
Overvoltage category/Altitude	II: up to 5000m: III up to 2000m	
Protection Class	II	
Electrical Life	100,000 Cycles verified	

Mechanical Specifications

Dimensions	60 x 33 x 41mm
Mounting Type	35mm Din-rail EN 60715
Casing	Plastic according to UL94 V-0
Weight	40g

Operation Environment Specifications

Operating Temperature Range	-45°C to 80°C
Humidity	<90% r. H. (non-condensing)

Operation Environment Specifications

IP Rating	IP20
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Approvals

Approvals	CSA / UL / VDE / EAC
Declarations	CE / UKCA
Declarations	ROHS 3

Similar Products

Parameters	RS Stock#	RS Stock#
	0319827	0319829
Thermostat Type	Bi-metallic	Bi-metallic
Switch Configuration	NC Contact	NC Contact
Minimum Temperature	-45 °C	-45 °C
Maximum Temperature	+80 °C	+80 °C
Switch Function	NC	NC
Temperature Tolerance	7K (±4 K Tolerance)	7K (±4 K Tolerance)
Sensing Element	Thermostatic Bimetal	Thermostatic Bimetal
Contact Rating	10A (230v), 15A (110v)	10A (230v), 15A (110v)
Contact Voltage Rating	230VAC (max250v), 110VAC, 24VDC (30W)	230VAC (max250v), 110VAC, 24VDC (30W)
Terminal Type	3 Push-in Clamps, Rigid wire 2.5mm ² (AWG14), Stranded wire 1.5mm ² (AWG16)	3 Push-in Clamps, Rigid wire 2.5mm ² (AWG14), Stranded wire 1.5mm ² (AWG16)
Mounting Type	Din-rail 35mm EN 60715	Din-rail 35mm EN 60715
Bracket Type	Din-rail 35mm EN 60715	Din-rail 35mm EN 60715
Weight	40g	40g
IP Rating	IP20	IP20
Compliance/Certifications	CSA / UL / VDE / EAC	CSA / UL / VDE / EAC
Applications	Control Cabinets, Switchgear, Automation, Panels & Enclosures, Ventilation and air-conditioning industry	Control Cabinets, Switchgear, Automation, Panels & Enclosures, Ventilation and air-conditioning industry