Product data sheet
Characteristics

REG48PUN1LHU
temperature control relay REG - 48 x 48 mm - 100..240 V AC - 1 solid state relay

Main

Range of product	Zelio Control
Product or component type	Modular measurement and control relays
Relay type	Temperature control relays
Product specific application	Heating or cooling HVAC Industrial machines Packaging
Relay name	REG

Complementary

Outer dimension	1/16 DIN 48 x 48 mm
Analogue input type	Voltage 2...10 V Voltage 1...5 V Voltage 0...5 V Voltage 0...10 V Voltage 0...0.1 V Thermocouple (thermocouple J, K, R, B, S, T, E, N, PLII) Temperature probe (temperature probe: Pt 100) Current 4...20 mA Current 0...20 mA
[Us] rated supply voltage	100...240 V AC
Supply voltage limits	85...264 V
Measurement accuracy	0.3 % full scale
Sampling duration	200 ms
Number of outputs	1 solid state output
Output type	Solid state output at 24 V DC / 20 mA
Alarm output	2 C/O
Power consumption in VA	12 VA at 100...240 V AC
Communication port protocol	Modbus
Method of access	Slave
Transmission frame	RTU
Physical interface	RS485 non isolated
Exchange mode	Half duplex
Transmission rate	9600, 19200 kbit/s
Function available	Auto tuning Fuzzy logic Hysteresis on-off Manual operation PID Ramp 16 steps Soft start
Marking	CE
Operating position	Any position
Display type	7 segments LCD
Display digits	4

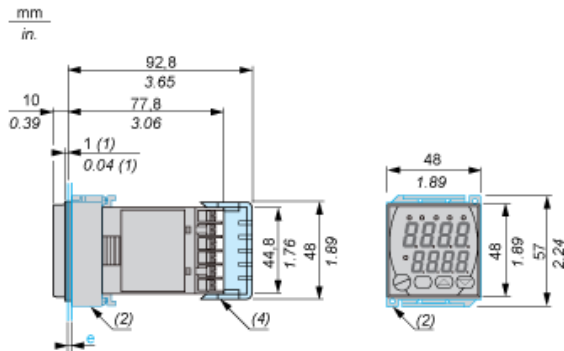| Signalling function	Setpoint value with LCD display
	Process value indicator (PV) with LED red
	Process output 2 active (C2) with LED red
	Alarm output 2 active (D02) with LED green
	Alarm output 1 active (D01) with LED green
	Process value with LCD display
	Process output 1 active (C1) with LED red
	Setpoint value indicator (SV) with LED green
Mounting support	Panel

Environment

Standards	EN 61010-1
	EN 61326-1
	CSA C22.2 No 24-93
Product certifications	CURus (873)
	GOST
Ambient air temperature for storage	-20...60 °C
Ambient air temperature for operation	-10...50 °C
Relative humidity	90 % without condensation
Operating altitude	2000 m
Storage altitude	3000 m
Vibration resistance	1 gn at 10...70 Hz conforming to IEC 60068-2-6
Shock resistance	5 gn conforming to IEC 60068-2-27
IP degree of protection	IP66 (front face) conforming to IEC 60529
	IP20 (rear)
NEMA degree of protection	NEMA 4X (front face)

Offer Sustainability

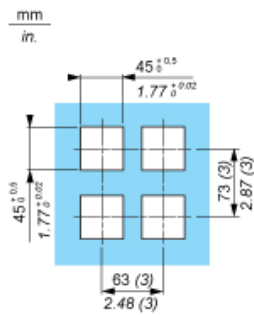| Sustainable offer status	Not Green Premium product
Product environmental profile	Available

Schneider Electric

48 x 48 Size – 1/16 DIN Standard

Panel Mounting: Bracket Supplied
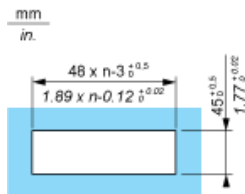

(1)   Seal
(2)   Fixing brackets supplied with REG temperature control relays.
(4)   Terminal block cover, to be ordered separately.

Panel cut-out

(3)   Minimum value.

Side stick mounting: n units (water-proof property lost in this case)

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Temperature Control Relays

Wiring Diagram

Schneider Electric