



PLANRAY

- Trace Heating Automation -

MT-150-3P

TECHNICAL DATA



MIDI TRACE

Function

Typical heating targets:

- Conduit heat tracing for different materials
- Slab, ramp and conveyor heating
- Receptacle and tank heating
- Roof- and drainpipe heating

Typical heating applications:

- Frost protection
- Process temperature maintaining
- Outdoor temperature based heating

Electrical data

Supply voltage L-N:	100 - 277 VAC, 50 - 60 Hz
Power consumption:	5 W, internal operating voltage transformer
Main circuit voltage L-N:	100 - 277 VAC, 50 - 60 Hz
Main circuit current:	32A @ 0 °C, Absolute maximum 74A /<1s

	Voltage:	Current:	Control mode:
Input connections:	2x 100 - 277 VAC, 24 VDC	5A	Current limited input, function settable
Output connections:	2x 100 - 277 VAC, 24 VDC	5A	Relay, change over contact: func. settable
Temp. measurement connections:	2x PT-100, 3-wire connection Measurement scale -50 ... +600 °C, accuracy $\pm 0,1$ °C (sensor type A)		

Mechanical data

Dimensions:	Height: 253 mm, Width: 127 mm, Depth: 179 mm, mounting spacing 209 mm
Weight:	3,5 kg
Space:	0,0056 m ²
IP -rating:	IP20 / IEC 60529
Heat sink and mounting hardware:	Aluminum
LED-indication:	Power, Communication (device), Alarm, Control, Feed (Channel 1 and 2)
User interface:	MTSCREEN - RS485 / Modbus (see Modbus Map)
Cable entries:	MidiTrace cabinet specific

Connectors:	Supply voltage	2,5 mm ² push-in spring connection, wire. A = 1 - 2,5 mm ²
	Main circuit	10 mm ² screw terminal, wire. A = 1 - 10 mm ²
	I/O connections	2,5 mm ² push-in spring connection, wire. A = 0,5 - 2,5 mm ²
	Temp. Measurement	1,5 mm ² push-in spring connection, wire. A = 0,5 - 1,5 mm ²
	Bus connections	2,5 mm ² plug/screw terminal, wire. A = 0,5 - 2,5 mm ²
	PE	10 mm ² screw terminal, wire A = 1 - 10 mm ²
	Programming / PC	USB mini B-connector

Electromagnetic compatibility

Immunity:	EN 61000-6-2:2005 / IEC 61000-6-2:2005
Emission:	EN 61000-6-4:2006 / IEC 61000-6-4:2007

Environmental conditions

Operating temperature:	-20 ... +60 °C
Storage temperature:	-20 ... +70 °C

Communications

Serial communication:	USB
	RS-485 / MODBUS RTU, additional feature
	PROFIBUS DP, additional feature
Network connection:	ETHERNET / MODBUS RTU over TCP/IP additional feature

Additional card slots

Two card slots for serial communication and network connections.

Equipment safety

Meets the safety standard EN-61010-1:2001 (Ed 2), National Differences: CA, CH, US

Packaging information

Length: 300 mm, Height: 200 mm, Width: 130 mm, Space: 0,0078 m²

Country of origin	Warranty	Customs code	UNSPSC-code	ETIM-class
FI	24 months	9032 10 20	40101800	EC000194

Standards

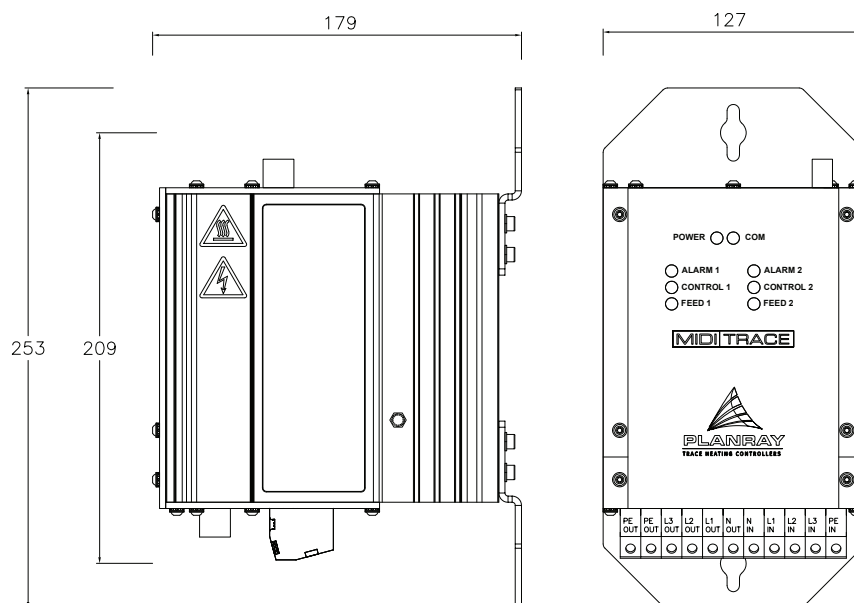
IEC 61010



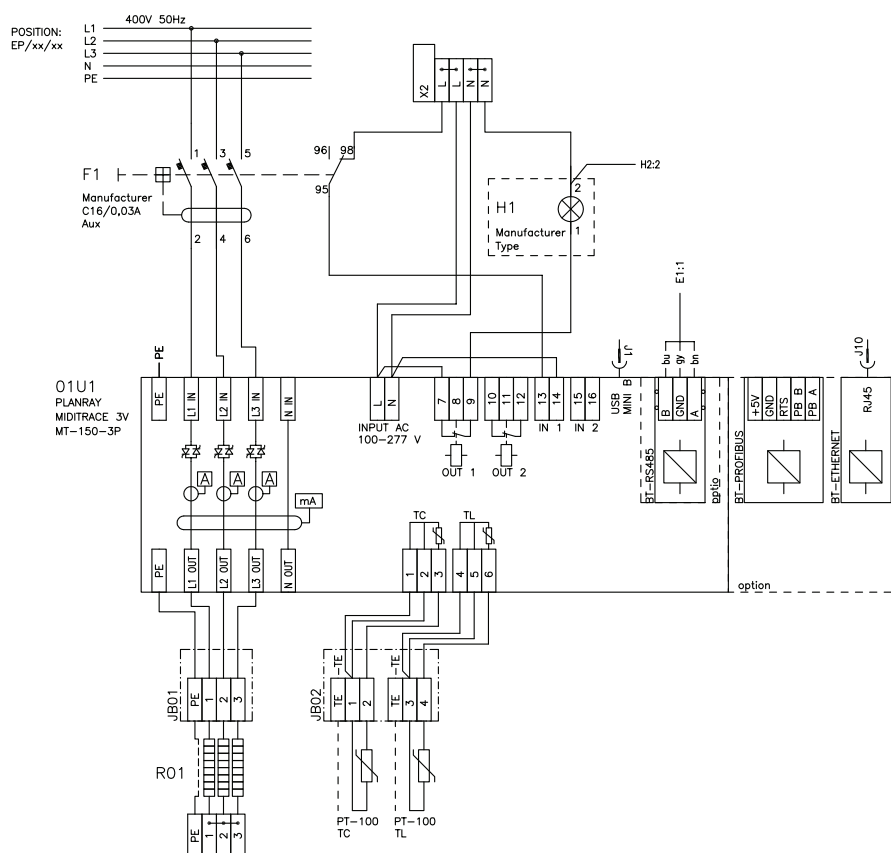
PLANRAY
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Product family: MidiTrace
Model: MT-150-3P

Dimensions



Circuit



Manufacturer

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