



18. Specifications

Voltage measurement / supply

Connection: Single phase
 Range: 90 – 550 V AC, 45 – 65 Hz
 Protection: Max. 6 A
 Power consumption: 6 VA
 Transformer factor: Adjustable 1.0 ... 350.0

Current measurement

Connection: Single phase
 Range: 5 mA – 5 A
 Transformer factor: Adjustable 1 ... 9600

Stage outputs

6 or 12 Stage outputs

Option -xxR

Type: Relay, normally-open, potential-free
 Supply: Common, max. 10 A
 Switching capacity per relay: 250 V AC / 5 A
 400 V AC / 1 A
 48 V DC / 1 A
 110 V DC / 0.2 A

Option -xxT

Type: Transistor, normally-open, open collector output
 Supply: Common, max. 1,2 A
 Switching capacity per transistor: 100 mA / 8 – 48 V DC

Alarm output

Default

Type: Relay, normally-open, potential-free
 Switching capacity: 5 A / 250 V AC

Option -nc

Type: Relay, normally-closed, potential-free
 Switching capacity: 5 A / 250 V AC

Temperature measurement

Type: NTC under the housing cover
 Accuracy: +- 5 °C

Fan output

Type: Relay, normally-open, potential-free
 Switching capacity: 250 V AC / 5 A
 400 V AC / 1 A
 48 V DC / 1 A
 110 V DC / 0.2 A

Digital input

Logic: Adjustable, High- or low-active
 Input signal: 90 – 250 V AC



Service interface	For service purpose only	
Modbus		
Default	Unassembled	
Option -MB	Protocol: Modbus-RTU Interface: RS485 Common-mode range: -7 – 12 V Differential-mode range: -12 – 12 V Output current: -60 – 60 mA	
Ambient temperature	Operating: -20 °C – 70 °C Storing: -40 °C – 85 °C	
Humidity	Range: 0 % – 95 % Condensation: Not allowed	
Overvoltage category	300 V _{LN} / 519 V _{LL} 519 V – 550 V Degree of contamination	→ CAT III → CAT II → 2
Standards	IEC 61010-1, IEC 61000 6-2, IEC 61000 6-4: Level B, IEC 61326-1, UL 61010	
Compliance and Listing	CE, c NRTL us (c UL us), EAC	
Connections	Type: Screw terminals, pluggable Cross section: Max. 4 mm ²	
Housing	Front: Plastic housing (UL94 V-0) Back: Metal cover	
Protection class	Front: IP41 Back: IP20	
Weight	Approx. 0,6 kg	
Dimensions	Device: H x B x T: 144 x 144 x 58 mm Cut-out: H x B: 138 (+0,5) x 138 (+0,5) mm	