

3.2 Wiring diagrams

55xx models

Supply	5V \equiv	DO5	GND	GND	AI5	AI4	AI3	AI2	AI1	3 2 1 ○ ○ ○ LAN	5 3 G 4 ○ ○ ○ ○ AO	- + G ○ ○ ○ RS-485
Supply	12 \equiv	AO1	AO2	DI6	DI5	DI4	DI3	DI2	DI1			

SMP55xx/C
SMP55xx/C/S

/S Models only

SMD55xx/C - SMD55xx/C/S
SMC55xx/C - SMC55xx/C/S
SE655

1 2 3 ○ ○ ○ LAN	4 G 3 5 ○ ○ ○ ○ AO	DI1	DI2	DI3	DI4	DI5	DI6	AO2	AO1	12 \equiv	Supply
AI1	AI2	AI3	AI4	AI5	GND	GND	DO5	5V \equiv	Supply		

- 5 high voltage 2A 230Vac *digital outputs* [DO1, DO2, DO3, DO4, DO6]
- 5 *analogue outputs*:
 - 2 PWM *analogue outputs* [AO1, AO2]
 - 3 low voltage (SELV (§)) *analogue outputs*
 - 2 x 0-10V outputs [AO3-4]
 - 1x 4...20mA/0...20mA output [AO5]
- 6 no voltage *digital inputs* (°) [DI1...DI6]
- 5 *analogue inputs*
 - 3 NTC* / Digital Input*** [AI1, AI2, AI5]
 - 2 NTC* / voltage, current** / Digital Input*** [AI3, AI4]
- 1 Open Collector low voltage output (SELV (§)) [DO5]

*SEMITEC 103AT type (10K Ω / 25°C)
 **4...20mA current or 0...5V / 0...10V / 0...1V voltage input or no-voltage digital input
 ***no voltage digital input
 (°) closing current for 0.5mA ground
 (§) SELV: (SAFETY EXTRA LOW VOLTAGE)

• Power supply	12-24Va / 24Vc power supply
• 5 \equiv	Auxiliary 5Vdc 20mA max supply
• 12 \equiv	Auxiliary 12Vdc supply
• N	NEUTRAL
• LAN	Connection to remote keyboard (KEYBoard) / SE6xx (max 100m)
• TTL	Serial TTL for connection to Multi Function Key
• /C	RTC
• RS-485	/S Integrated serial RS-485 for connection to supervision systems