

Heating circuit module-HK07

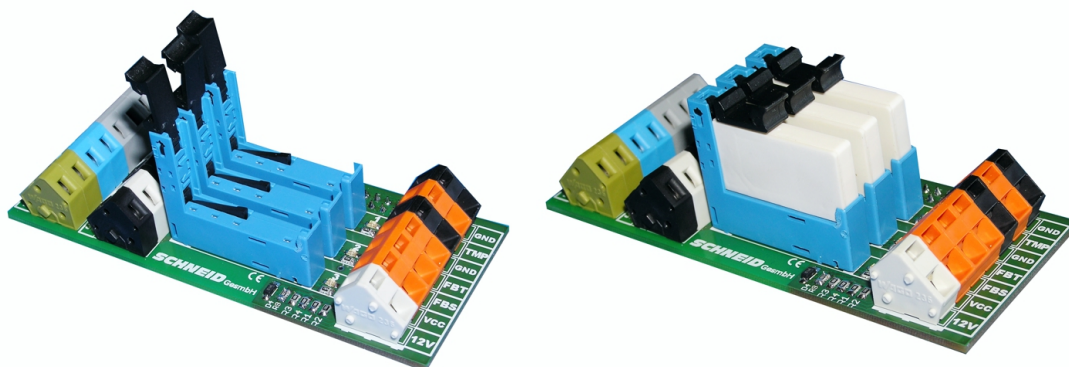


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Products, data sheets, documentation, MR12-SCHEMA-calculator: www.schneid.at

Heating circuit module-HK07

Order number:	300.xxxxx – see below
Order code:	Xxxxx – see below



Overview:

The heating circuit module is used for connection to a SCHNEID basic module controller. With this module, a complete mixer heating circuit including remote control connection option can be implemented.

All 3 outputs are isolated from each other on their own potential-free connections.

The individual relays can be equipped individually for different applications.

- Standard relay for switching AC loads
- Relay with gold contact for switching small signals
- SSR semiconductor relays e.g.: for AC speed control, or for high inrush currents
- Optocoupler for switching fast DC signals (e.g. PWM)

The following inputs and outputs are available:

- Three-point output heating circuit mixer
- Two-point output heating circuit pump
- Flow temperature sensor
- Remote control with built-in room sensor
- LED display for pump and mixer status

Equipment variants:

Heating circuit basic module HK07

Module for a mixer heating circuit without a relay

Order number: 300.14046

Order code: Heizkreisbasismodul-HK07 Modul für einen Mischerheizkreis ohne Relais

Heating circuit base module HK07

standard Module for a mixer heating circuit with 3 relays

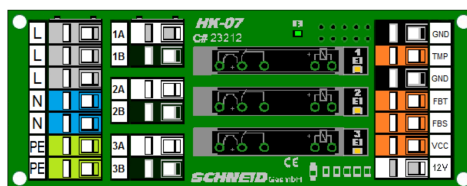
Order number: 300.14047

Order code: Heizkreisbasismodul-HK07-Standard Modul für einen Mischerheizkreis mit 3 STD-Relais

Heating circuit module-HK07

Connection diagram:

- 1A Output 1 - potential-free
- 1B
- 2A Output 2 - potential-free
- 2B
- 3A Output 3 - potential-free
- 3B



Heating Circuit Modul HK07

- GND** Signalground
- TMP** heating circuit flow temperature sensor
- GND** Signalground
- FBT** room temperature sensor
- FBS** remote control signal line
- VCC** remote supply line
- 12VDC** output (max. 100mA)

Connections 230V:

- L connection 230VAC
- L additional connection 230VAC (continuation to another module)
- L auxiliary connection (continuation of relay outputs)
- N neutral wire
- N neutral wire
- PE
- PE

Scope of delivery:

- Heating circuit base module HK07
- Heating circuit basic module HK07 with 3 standard relays

Technical specifications:

Intrastat Number	8537.10.91.90
Country of origin	EU/AT
Height, width, depth (in mm)	40x100x41
Weight in (kg)	HK07-module 0,042 / HK07-module with 3 STD-Relais 0,057
Degree of protection	IP-20
Ambient temperature	0°C....+40°C
Operating voltage	12VDC
power consumption	< 1VA
Max. rated current per output	See relay data on next page.
Service life relay output	See relay data on next page.
Connection type	Terminals for fixed wiring
Connection technology	spring terminal
Cable cross-section	Max. 2.5mm ²
Mounting type	DIN-RAIL TS35
Operating time	continuous operation
Degree of pollution	2
Rated surge voltage	1kV

Technische Daten Steckrelais:

Standard-Relais für Heizkreisbasismodul HK07

Bestellnummer: 300.14048
Bestellcode: Standard-Relais für Heizkreisbasismodul HK07
Anzahl der Kontakte: 1 Wechsler
Max. Dauerstrom/max. Einschaltstrom A: 6/10
Nennspannung/Max Schaltspannung VAC: 250/400
Max. Schaltleistung AC1 VA: 1.500
Max. Schaltleistung AC15 (230VAC) VA: 300
1-Phasenmotorlast, AC3-Betrieb (230VAC) kW: 0,185
Max. Schaltstrom DC1: 30/110/220V A: 6/0,2/0,12
Min. Schaltlast mW (V/mA): 500 (125/10)
Kontaktmaterial: AgNi

Gold-Relais für Heizkreisbasismodul HK07

Bestellnummer: 300.14049
Bestellcode: Gold-Relais für Heizkreisbasismodul HK07
Anzahl der Kontakte: 1 Wechsler
Max. Dauerstrom/max. Einschaltstrom A: 6/10
Nennspannung/Max Schaltspannung VAC: 250/400
Max. Schaltleistung AC1 VA: 1.500
Max. Schaltleistung AC15 (230VAC) VA: 300
1-Phasenmotorlast, AC3-Betrieb (230VAC) kW: 0,185
Max. Schaltstrom DC1: 30/110/220V A: 6/0,2/0,12
Min. Schaltlast mW (V/mA): 500 (125/10)
Kontaktmaterial: AgNi + Au / hartvergoldet

Optokoppler-Relais für Heizkreisbasismodul HK07

Bestellnummer: 300.14050
Bestellcode: Optokoppler-Relais für Heizkreisbasismodul HK07
Ausgang: 1 Schließer
Max. Dauerstrom/max. Einschaltstrom (10ms) A: 2/20
Nennspannung/max Sperrspannung V: (24/33)DC
Schaltlast-Spannungsbereich V: (1,5...24)DC
Min. Schaltstrom mA: 1
Max. Reststrom bei 55°C mA: 0,001

SSR-Relais für Heizkreisbasismodul HK07

Bestellnummer: 300.14052
Bestellcode: SSR-Relais für Heizkreisbasismodul HK07
Ausgang: 1 Schließer
Max. Dauerstrom/max. Einschaltstrom (10ms) A: 2/40
Nennspannung/max Sperrspannung V: (240/---)AC
Schaltlast-Spannungsbereich V: (12...275)AC
Periodische Spitzensperrspannung Vpk: 600
Min. Schaltstrom mA: 22
Max. Reststrom bei 55°C mA: 1,5