

Three-phase changeover, AC

→ Range GA0

- Reverses rotation of three-phase motors
- Output voltage 24-480 V AC
- Input voltage 3-32 V AC
- Input to output insulation voltage : 100 ms
- Interlock against simultaneous actuation in both directions
- Back-to-back SCRs
- Input to output insulation voltage : 5000 V AC
- Protected by RC filter and overvoltage limiter
- Direction of rotation displayed by 2 green LEDs



Specifications

Type	Current	Output voltage	Input voltage	Code
Alternative current	25 A	24 - 480 V AC	3 - 32 V DC	84 067 441

Accessories

Designation	Characteristics	Material	Code
DIN rail heatsinks	Suitable for use with heatsinks 26 532 760 26 532 761 26 532 762 Weight : 55 g		26 532 764
Heat transfer compound	Weight : 20 g (per tube)	Silicon/zinc oxid paste	18 373 112
Protective cover		Polycarbonate UL 94 V0	26 532 797

General characteristics

Output characteristics

Peak voltage (1 min) (V peak)	1 000
Minimum current (mArms)	200
Max 1 cycle surge T = 25 °C (Arms)	270
Max. leakage current (mAeff)	10
I t (t = 10 ms) (A²s)	365
On-state voltage drop at I _{max} and T = 25 °C (V peak)	1.6
Thermal resistance Junction to casing (°C / W)	0.2
Static (off-state) dv/dt (V/µs)	500
Frequency (Hz)	47 → 63
Response time (close) (ms)	0.2
Response time (open) (ms)	20
Reversing time (ms)	100

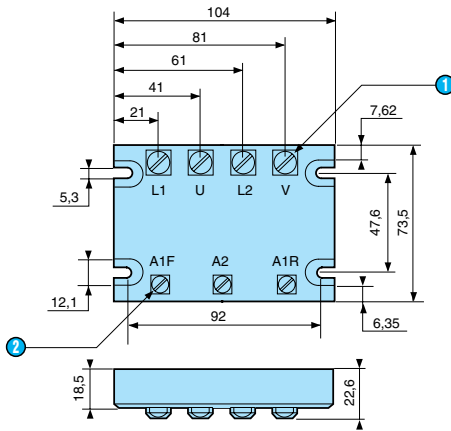
Inputs specifications

Input voltage	3 → 32 V DC
Turn-off voltage (V)	1
Max input current	20 mA (input regulated current and limited)
Nominal resistyance (+/-10 % at 25 °C) (kΩ)	1

Characteristics

Operating temperature (°C)	-20 → +80
Storage temperature (°C)	- 40 to + 100°C
Input to output insulation voltage (Vrms)	5 000 V AC
Dielectric strength (Vrms)	4000 V AC
Input/output capacitance (pF)	8
Material housing	Self-extinguishing
Material baseplate	aluminium
Weight (g)	455

Dimensions

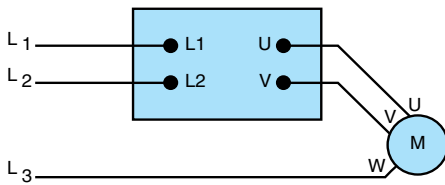


1 4 M4 screw

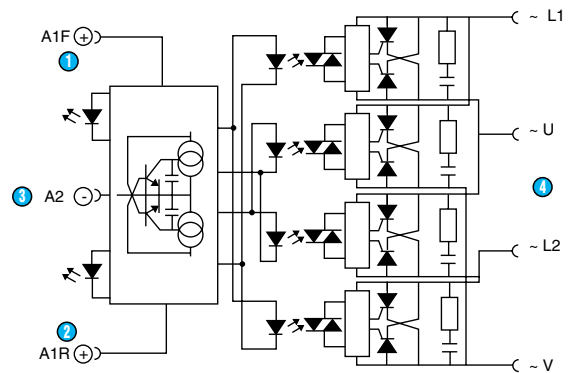
2 3 M3.5 screws

Tolérances générales ± 0.5

Connections

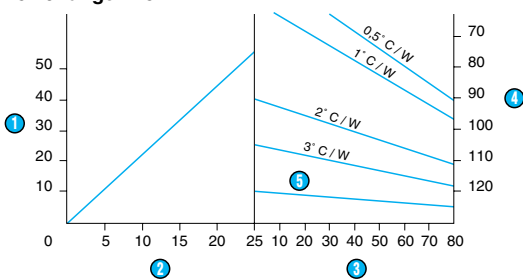


Equivalent circuits



Curves

Thermal dissipation curves
GA0 range - 25 A



1 Dissipated power (W)

2 On-state current (A)

3 Ambient temperature ($^{\circ}\text{C}$)

4 Basseplate temperature ($^{\circ}\text{C}$)

5 No heatsink