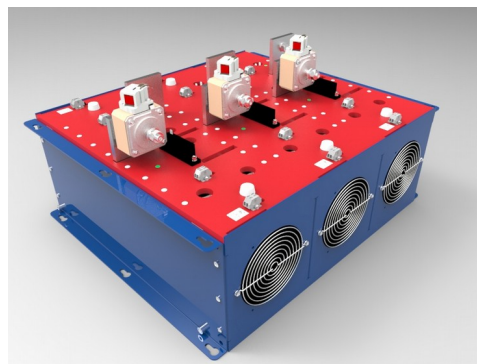


HIGHLIGHTS

- Modular construction
- High reliability
- Reduced maintenance
- Compact assembly
- RC included
- Thermal trips included
- Semiconductor fuses included
- Micro switch (fuse indicator) included
- Double fan



non-contractual image

OVERVIEW

Air cooled compact press-pack semiconductors modular stacks for medium & high currents. Double axial fan and possibility of application with redundant ventilation.

Easy combination between different stacks allow to face complex applications and possibility of customization based on this constructive platform.

GENERAL CHARACTERISTICS

| Symbol | Parameter | Notes / Test conditions | Min | Typ | Max | Units |
|------------------|-------------------------------|-------------------------------|-----|-----------------|-----|------------------|
| V _n | Nominal line voltage | ±10% | | 600 (4) | | V _{AC} |
| V _{max} | Maximum line voltage | Limit operation voltage | | 750 | | V _{AC} |
| I _{max} | Maximum current (1) | Full conduction @ TA=35°C | | 1994 | | A _{RMS} |
| I _{nom} | Maximum operating current (2) | Full conduction @ TA=35°C | | 1600 (4) | | A _{RMS} |
| W _n | Nominal maximum power | At max, oper. voltage/current | | 1825 | | kW |
| V _{ISO} | Isolation Voltage | 1min @ 50Hz | 3 | | | kV _{AC} |
| Device | Type & reference | High current press.pack SCR | | N1718NC200 (3) | | |
| Fan | Fan type & reference | Axial (6x) | | AK1752HB-AT (3) | | |

(1): Semiconductor limit.

(2): Without thermal trip activation.

(3): Or alternative according to availability

(4): Limited by fuse.

MECHANICAL & ENVIRONMENTAL DATA

| Parameter | Notes / Test conditions | Min | Typ | Max | Units |
|-----------------------------------|---|-----|------|-----|-------|
| Weight | Approximate total weight | | 89,6 | | Kg |
| Altitude without derating | Above sea level | | 1000 | | m. |
| Protection | IEC 60529 | | IP00 | | |
| Pollution Degree | IEC 60664-1 | | 1 | | |
| Other standard service conditions | EN 60146-1-1 | | | | |
| Storage & transport | Limit temperatures without condensation | -20 | | 60 | °C |

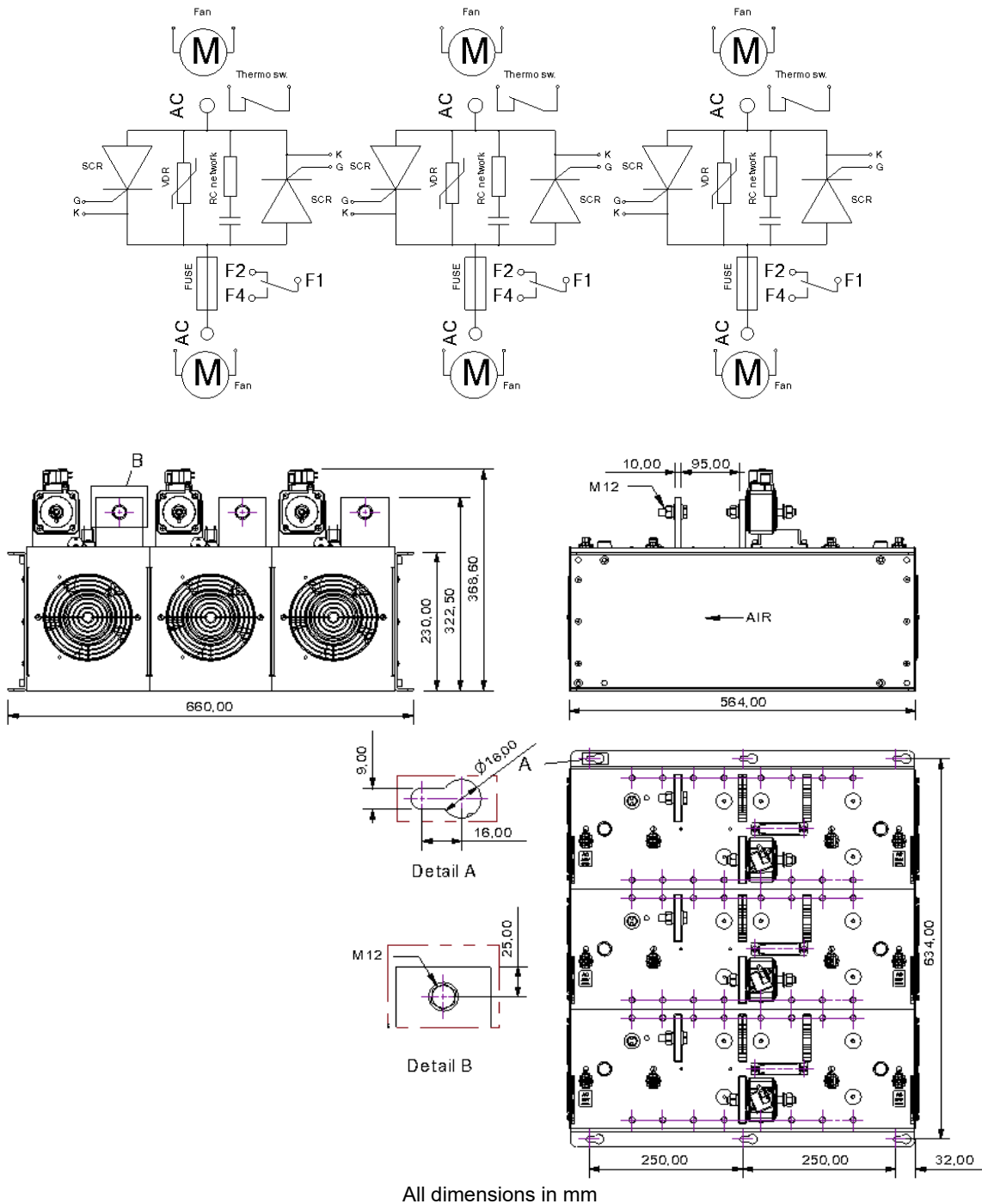
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STACK PROTECTION

| Parameter | Description | Notes / Test conditions | Min | Typ | Max | Units |
|-------------|-----------------------|----------------------------------|------------------|-----|-----|-----------------|
| dv/dt | RC network protection | For each switch | 0,22μ/56 Ohms | | - | - |
| Thermal | Thermal trip | For each switch NC 10A/250V | 85 | 90 | 95 | °C |
| Overvoltage | Varistor | For each switch | 750 | | - | V _{AC} |
| Fuses | Fuse type & reference | aR class semiconductor fuse (3x) | 060UR3S1600B (1) | | - | - |

(1): Or alternative according to availability

CIRCUIT & DIMENSIONS



All dimensions in mm

Reserves the right to change limits, test conditions and dimensions given in this data sheet at any time without previous notice.

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