

Small, powerful and robust – enclosure heaters from Rittal protect against malfunctions, corrosion and frost in enclosures.

Technical description

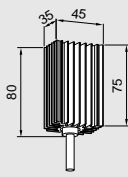
All SK heaters:

- Thermostat SK 3110.000 is recommended for precise temperature control in the enclosure.
- In order to prevent condensation on assemblies, we recommend hygrostat SK 3118.000 to regulate the heater.
- Limitation of surface temperature via a PTC thermal element.
- By mounting an axial fan (SK 3108.000) on heater SK 3107.000, its effectiveness can be increased.
- All heaters are quickly and easily mounted using the supplied screw and snap fastenings.
- Snap fastening for 35 mm support rail DIN EN 50 022.
- Maximum effectiveness is achieved by installing the enclosure heaters vertically, with the cables routed downwards.
- In order to create the necessary convection, 50 mm spacing from the top and bottom is required. The distance from neighbouring components should be at least 10 mm, and at least 35 mm in the case of thermoplastic materials.
- In large enclosures, even heat distribution is best achieved by installing several low-output heaters.
- Internal installation is generally advisable, even when using heat exchangers and cooling units, in order to prevent condensation.
- The unit housings are made from robust, black anodised aluminium.

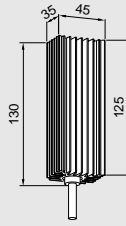
Supply includes:

Unit ready for installation, with pre-installed connection cable (0.3 m) or terminal strip. SK 3102.000 with fitted fan, including connection terminal.

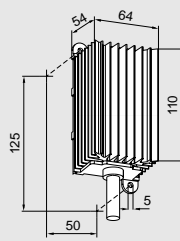
SK 3105.000



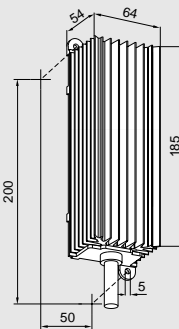
SK 3106.000



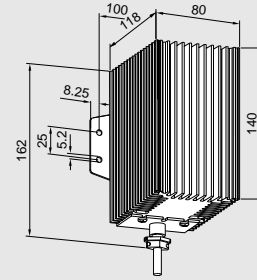
SK 3115.000



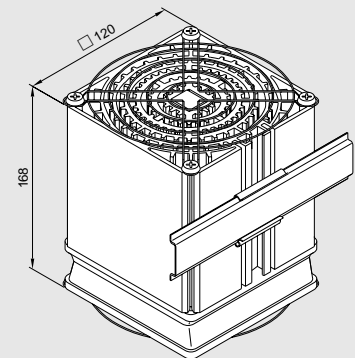
SK 3116.000



SK 3107.000

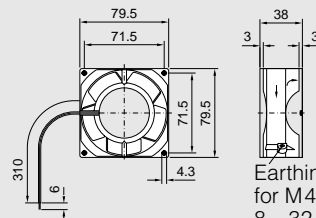


SK 3102.000 (Heater including fan)



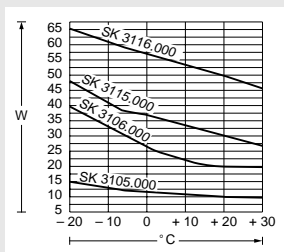
Axial fan SK 3108.000

for heater SK 3107.000,
Ball bearing,
Temperature range - 40 °C/+ 85 °C
Rated voltage 230 V/50/60 Hz
Power consumption 18 watts
Noise level 33 dB (A)
Speed 2800/3300 rpm
Air throughput 50 m³/h

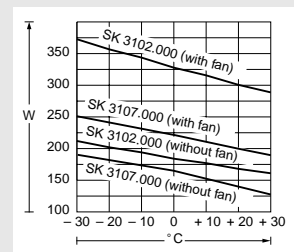


Earthing lug for M4 or 8 – 32 UNC

Performance diagram



Performance diagram



Model No. SK	3105.000	3106.000	3115.000	3116.000
Rated operating voltage Volt/Hz	110 – 240 V AC/DC			
Continuous thermal output at T _a = 20 °C	10 W	20 W	30 W	50 W
Pre-fuse T	2 A		4 A	

Model No. SK	3107.000	3107.000 + 3108.000	3102.000 (incl. fan)
Rated operating voltage Volt/Hz	110 – 240 V AC/DC	230 V/50/60	
Continuous thermal output at T _a = 20 °C	130 W	200 W*	300 W*
Pre-fuse T	4 A		

Model No. SK	3110.000	3118.000	3114.100
Accessories			
Thermostat	1		
Hygrostat	1		
Temperature indicator	1		

Special voltages available on request. Technical modifications reserved.

Accessories	P. of
Thermostat	1
Hygrostat	1
Temperature indicator	1

Model No. SK	3110.000	3118.000	3114.100
Accessories			
Thermostat	1		
Hygrostat	1		
Temperature indicator	1		

Model No. SK	3110.000	3118.000	3114.100
Accessories			
Thermostat	1		
Hygrostat	1		
Temperature indicator	1		

* Output with fan
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ENCLOSURE HEATERS

Continuous thermal output 10 – 300 W



Heaters

Continuous thermal output	10 W	20 W	30 W	50 W	130 W	200 W*	300 W*
Voltage	110 – 240 V			230 V			
Model No. Heater SK	3105.000	3106.000	3115.000	3116.000	3107.000	3107.000	3102.000
Model No. Axial fan SK	–	–	–	–	–	3108.000	including fan

* Output with fan

Approvals for all enclosure heaters, see page 555.



The thermostat or hygrometer is used to regulate enclosure heaters.



With this heater, an axial fan supports heat distribution in the enclosure.