

## CABINET HEATERS, "CAM" RANGE

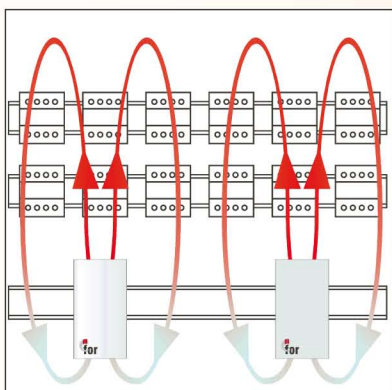
- The CAM electric cabinet heater is conceived to provide the necessary heat contribution in cabinets of electrical set-ups and electronic information boards, with the purpose of avoiding the formation of drops of water by condensation of the humidity.
- Among other factors, it stands out by its black anodized aluminum profile that provides a large surface of heat dissipation in relation to size.
- Assembly takes place on rail DIN of 35 mm. In order to facilitate its installation in the cabinet, the cabinet heater CAM incorporates a removable supply connector.
- The casing of the cabinet heater has a double function:
  - It avoids accidental contact with the heat radiator.
  - It causes the «chimney effect». This enables hot air convection upwards that facilitates the distribution and uniformity of temperature inside of cabinet.
- The CAM electric cabinet heaters are provided with a thermal cut-off that automatically disconnects the feeding of the appliance, avoiding overheating inside the cabinet that can affect the operation of the existing electronics.
- As a complement to the safety offered by the limiter already incorporated into the CAM heater, we recommend installation in the controls cabinet of control elements for distribution and control cabinet heaters models EFR, ETF, FZK, FTO and FTS (page nº 37), in order to maintain the required working temperature and humidity level. If you require other types or scales of ambient thermostats, please consult our general Forcosa Division catalogue nº 927.



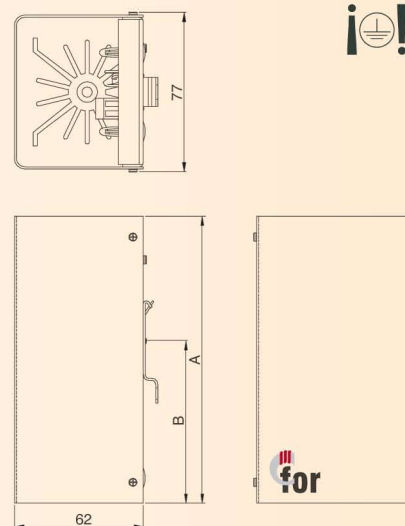
### General characteristics

- |                           |                           |                           |  |
|---------------------------|---------------------------|---------------------------|--|
| • <b>Heating element</b>  | Linear heating element    | • <b>Connection</b>       | 2 x pressure clamps for wire 0'5 - 2'5 mm <sup>2</sup> |
| • <b>Radiator</b>         | Black anodized aluminium  | • <b>Mounting</b>         | Clip for 35mm DIN rail                                 |
| • <b>Housing</b>          | Silver anodized aluminium | • <b>Standard voltage</b> | ~230 V   |
| • <b>Electrical class</b> | Class I                   |                           |  |

### Example of installation and performance of CAM electric cabinet heater



Code	Dimensions in mm		Watts	Weight in Kg
	A	B		
CAM50	98	58	50	0,35
CAM75	138	78	75	0,47
CAM100	178	98	100	0,58



## SEMI-CONDUCTOR HEATER, HGK 047 RANGE

### General characteristics

- **Standard voltage** 150 - 250 V<sub>ac/dc</sub>. Max 265 V
- **Heating element** PTC. Self regulating heating element
- **Radiator** Anodized aluminium
- **Electrical class** II. Test voltage 4000 V
- **Degree protection against moisture** IP54
- **Connection** Silicone cable 2x0'75 mm<sup>2</sup>. Length 300 mm
- **Mounting** Clip for 35 mm DIN rail, EN 50022
- **Fitting position** preferably vertical
- **Storage temp** -45 °C (-49 °F) - 70 °C (158 °F)
- **Accessories** screw fixing
- **Miscellaneous** Operating with voltages below AC/DC 140V reduces heating performance by approx. 10%.
- **Standards** VDE, CE

Code	Dim. L in mm	Heating power (T <sub>amb</sub> =20 °C)	Maximum current	Weight in Kg
HGK04700	50	10 W	approx. 1,0 A	0,10
HGK04701	60	20 W	approx. 2,5 A	0,20
HGK04702	70	30 W	approx. 3,0 A	0,25

