## TECHNICAL SPECIFICATION

Current rating : **16 A**, **25 A**, **40 A** or **50 A** (at **45°C**)
Nominal power : up to **25 kW**

## MAXIMUM CURRENT

In order to take into account supply voltage variations and heating element resistance dispersion (all types of heating elements including short wave infrared), a 0.8 safety coefficient must be used on the thyristor unit current rating to determine the maximum value of the load nominal current which the unit can safely control.

## SHORT WAVE INFRARED (SWIR) APPLICATIONS

Applications using short wave infrared heaters in Single Cycle, Fast Cycle or Advanced Single Cycle are reserved to 16 A, 25 A and 40 A current rating.
With a safety coefficient of 0.8 the maximum current for SWIR which can be controlled is:

| TE10 rating | SWIR maximum controlled current |
|---|---|
| 16 A | 13 A |
| 25 A | 20 A |
| 40 A and 50 A | 32 A |



## RANGE DIMENSIONS AND WEIGHT

Height **115 mm** / Depth **92.5 mm**

| Models | Nominal current | Width (mm) | Weight (g) |
|---|---|---|---|
| TE10S/DC, TE10S/AC<br>TE10S/PDSIO | 16 A<br>25 A<br>40 A<br>50 A | 35<br>52.5<br>87.5<br>105 | 350<br>500<br>850<br>1100 |
| TE10S/PLF<br>TE10A/Burst<br>TE10A/PA | 16 A<br>25 A<br>40 A<br>50 A | 52.5<br>70<br>105<br>122.5 | 550<br>700<br>900<br>1200 |

## THYRISTOR PROTECTION FUSE

| TE10 rating | Fuse rating | Fuse & fuse-holder | |
|---|---|---|---|
| | | Code | Dimensions(mm) |
| 16 A | 20 A | FU1038/16A/00 | 81 x 17.5 x 68 |
| 25 A | 32 A | FU1038/25A/00 | 81 x 17.5 x 68 |
| 40 A | 50 A | FU1451/40A/00 | 95 x 26 x 86 |
| 50 A | 63 A | FU2258/50A/00 | 140 x 35 x 90 |

**Attention!** For SWIR applications, the high-speed fuse must not be used