

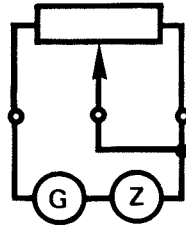


# RT RTE

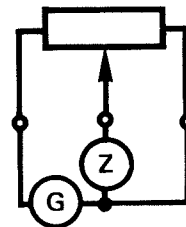
## fixing rheostats and potentiometers generalities

The performance of RT-RTE rheostats exceeds the requirements of specification CCTU 05-03B.

They have been designed for heavy duty applications such as repeated overloads, transients, shocks and vibrations conditions.



Rheostat mode



Potentiometer mode

### RT VITREOUS SERIES

Six sizes are available capable of dissipating 12, 25, 55, 100, 250 or 500 watts at 25°C.

The resistive wire is protected by a proprietary SFERNICE enamel fired at high temperature and free from any compound that could cause corrosion of the wire. The maximum operating temperature of the RT series is 320°C.

### RTE LACQUERED SERIES

The RTE series covers high ohmic values but with a maximum operating temperature of 220°C. The RTE versions have reduced power ratings except the RTE 12 series.

### GANGED UNITS

Ganged units are available with different combinations of power and ohmic values. (see data-sheet  $\frac{1}{517}$ ).

### GRADED WINDINGS

These are recommended when the ratio  $\frac{I_{max.}}{I_{min.}} < 2$

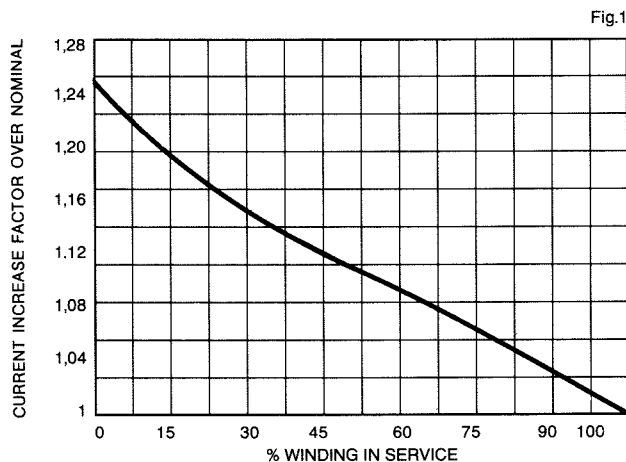
### MAXIMUM OVERLOADING

In rheostat use, the winding current decreases in relation to the number of turns being used.

When a part of the winding is used the current can be increased in accordance with fig. 1.

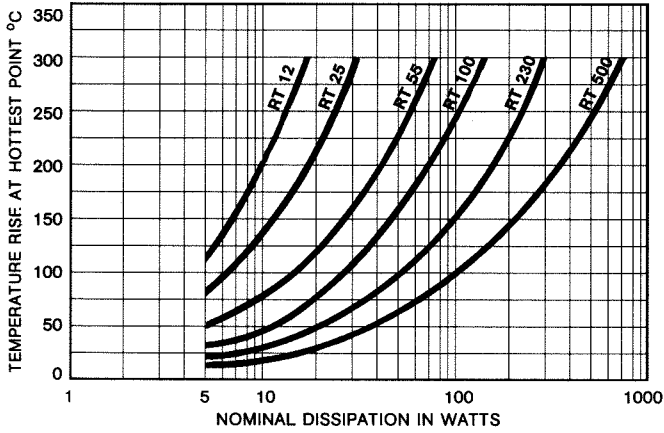
Substantially heavy overloads can be applied in short impulses and we would be pleased to advise on this type of application, on receipt of the following information:

- proposed rheostat usage
- current level
- operating cycles specifying duration of overload "ON", "OFF" periods.



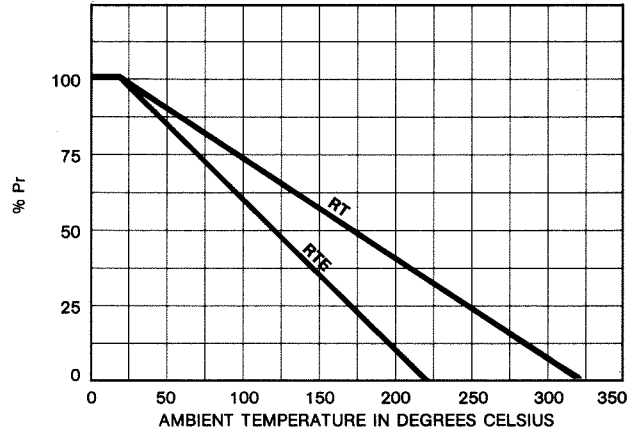
**TEMPERATURE RISE**

Fig. 2



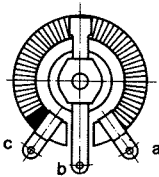
**POWER RATING CHART**

Fig. 3

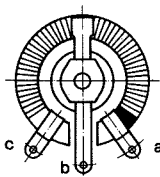


**SPECIAL FEATURES**

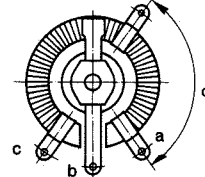
**OFF POSITION LEFT**  
Code No.: 213700



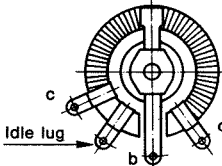
**OFF POSITION RIGHT**  
Code No.: 213600



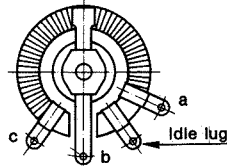
**FIXED TAPPINGS, ONE OR MORE**  
Code No.: RTP  
not available for RT12 and RT500



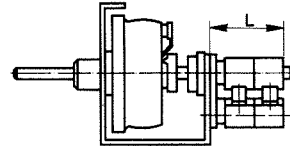
**IDLE LUG LEFT**  
Code No.: DB1  
Not available for RT12 and RT500



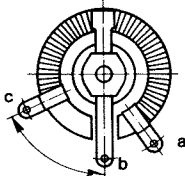
**IDLE LUG RIGHT**  
Code No.: DB2  
Not available for RT12 and RT500



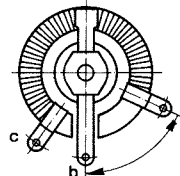
**DOUBLE MINI SWITCH**  
not available for RT12



**REDUCED LEFT TRAVEL**  
Not available for RT12 and RT500



**REDUCED RIGHT TRAVEL**  
Not available for RT12 and RT500

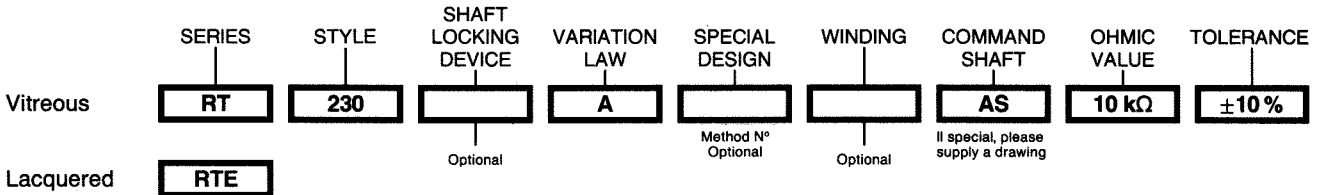


Other special features are available. Please consult SFERNICE for all of your rheostat requirements. All the positionings are defined when the shaft end is viewed (on the contrary of the hereabove windings), clockwise detent

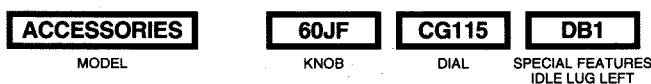
Table 1

Double mini switch for series and size	Code	L mm
RT25	219410	29
RT55	219430	33
RT100	219450	33
RT230	219470	35
RT500	219480	35

**ORDERING PROCEDURE**



**OPTION**



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