



SCRs for Medium voltage Soft Starters

6500V Thyristor Disc Series

The 6.5 kV thyristor disc series consists of 4 rugged and powerful disc device types developed and designed for the special requirements in Medium Voltage Soft Starter applications. All devices are designed for a high surge current capability. Especially for the needs in soft starter applications they are optimized for series connection by offering excellent voltage sharing. To ensure a narrow spread of dynamic parameters which enables best cost designs with less devices in series high technology production processes are used for the types of the series.

Of course they are suitable for general purpose line voltage rectifier applications, e.g. for power supplies or standard electrical drives.

Main Features

- Blocking Voltage
 $V_{\text{DRM}} = 6500\text{V}$
- Housing Dimensions
Height = 26 mm

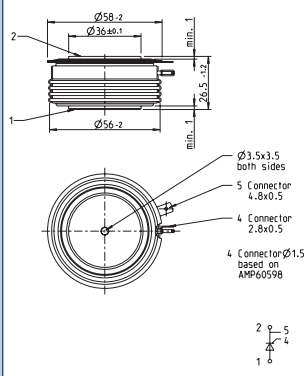
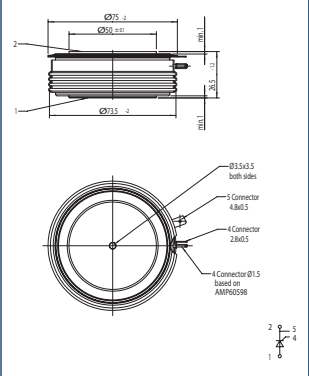
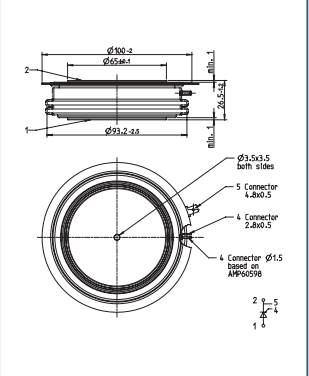
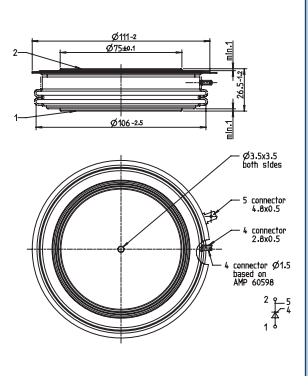
Applications

- Medium Voltage Soft Starters
- Medium Voltage Power Supplies
- Standard Electrical Drives

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Electrical parameters – Outline dimensions

T280N65TOF	T570N65TOF	T1060N65TOF	T1620N65TOF
$V_{\text{DRM}} = V_{\text{RRM}} = 6500\text{V}$ $I_{\text{TAVM}} = 280\text{A}$ ($T_c = 85^\circ\text{C}$) $I_{\text{TSM}} = 4.8\text{kA}$	$V_{\text{DRM}} = V_{\text{RRM}} = 6500\text{V}$ $I_{\text{TAVM}} = 540\text{A}$ ($T_c = 85^\circ\text{C}$) $I_{\text{TSM}} = 9.4\text{kA}$	$V_{\text{DRM}} = V_{\text{RRM}} = 6500\text{V}$ $I_{\text{TAVM}} = 1060\text{A}$ ($T_c = 85^\circ\text{C}$) $I_{\text{TSM}} = 21\text{kA}$	$V_{\text{DRM}} = V_{\text{RRM}} = 6500\text{V}$ $I_{\text{TAVM}} = 1620\text{A}$ ($T_c = 85^\circ\text{C}$) $I_{\text{TSM}} = 32\text{kA}$
T58.26K0	T75.26K0	T100.26K0	T111.26K0
			

Sales Information

Part Number	Status	
T280N65TOF	in production	
T570N65TOF	in production	
T1060N65TOF	samples available	SOP Q3 2011
T1620N65TOF	samples available	SOP Q3 2011

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