Product Brief

Silicon controlled rectifiers for medium-voltage soft starters
6500 V thyristor disc series

The 6.5 kV thyristor disc series consists of four robust and powerful disc device types developed and designed for the special requirements of medium-voltage soft starter applications. All devices are designed for high surge current capability. Excellent voltage sharing optimizes series connection capabilities for soft starter applications in particular. High-tech production processes deliver outstanding dynamic parameters for best-cost designs with less series-connected devices.

The devices are also suitable for general-purpose line voltage rectifier applications, e.g. power supplies and standard drives.

Typical applications for medium-voltage drives
› Mining excavators
› Gas and Oil pumps
› Compressors for cooling stations

Key benefits
› Simple way of series connection
› High surge current capability
› Easy for mounting due to standard housing

Key features
› Blocking voltage
  \( V_{DRM} = V_{SRM} = 6500 \text{ V} \)
› Housing dimensions
  Diameter = 58 mm ... 111 mm
  Height = 26 mm

Applications
› Medium-voltage soft starters
› Medium-voltage power supplies
› Standard drives

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Electrical parameters – outline dimensions

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Additional information
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