



Film Capacitors – Power Factor Correction

Current limitation reactor

Series/Type: BD-100
Ordering code: B44066T0100E400
Date: March 2010
Version: 1

Characteristics

- Single phase current limitation reactor for thyristor modules TSM-series in conventional PFC-systems without reactor
- Protection of thyristor modules series TSM-LC10, TSM-LC25 and TSM-LC50 (two units per step required).



Technical data

Dimensions	75 x 90 x 75 mm (w x h x d)
Weight	2 kg
Nominal voltage	max. 440 V
Nominal current	85 A (50 Hz)
Frequency	50/60 Hz
Linearity	120 A
Mode of operation	Continuous operation
Inductivity	L = 0.1 mH
Specification	EN61558-2-20
Maximum operating ambient temperature	80 °C

Cautions and warnings

- The BD-100 is designed exclusively for use in dynamic LV-PFC-systems without detuning reactors.
- **Not suitable** for TSM-LC 100, TSM-LC 200 and TSM-HV 200!.
- The maximum permissible nominal voltage (see technical data) must not be exceeded!
- The equipment may be operated only by suitably trained personnel.
- A minimum distance of 50 mm towards the adjoining component set has to be kept.
- Mounting onto mounting plate.
- Mounting position random.
- Connection 2-pole via busbar; cable lug 25 mm²

Note

For detailed information about PFC capacitors and cautions, refer to the latest version of the EPCOS PFC Product Profile.

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