Circulating-current reactor (direct current smoothing reactor)
acc. to VDE0570-2-20 (EN61558 /IEC61558)

CE

EMB WITTLICH

Type code:
- ID: Circulating-current reactor (Direct current smoothing reactor) / EI-core

Generally:
- Circulating-current reactor: This reactor being connected between rectifier and load causes:
- Smoothen and limiting of the circulating current
- by lengthening of the duration of current flow a overriding of short-term system voltage dips
- Degree of protection IP00 (suitable for installation in enclosures up to IP20)
- Ground connection as preparation for fitting in gears and systems of class of protection I
- Dimensioning for pollution severity P2
- maximum ambient temperature 40°C / Insulation class B
- Frequency 50 to 60 Hz / - dimensioned for continuous operation (ED = 100 %)
- Vacuum-resin impregnated
- Connections on transformer terminals - shockproof according to VBG4

Standards and basics:
- VDE0570-1 (EN61558-1 / IEC61558-1) - follow-up standard for VDE0550-1
„Safety of transformers, power packs and the like"
- VDE0570-2-20 (EN61558-2-20 / IEC61558-2-20) - follow-up standard for VDE0550-5
„Particular requirements for small reactors"
- General technical conditions and information

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| - Voltage range: |
| --- |
| up to 600 V (other voltages on inquiry) |

- ID
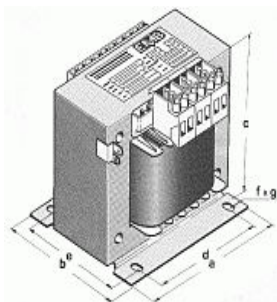
Remark:
When inquiring for a reactor you should consider that following data is decisive for the calculation of a circulating-current reactor
- maximum inductance - Lmax in mH
- minimum inductance - Lmin in mH
- maximum direct current - Idmax in Ampere
- minimum direct current - Idmin in Ampere
- effective current - Ieff
The desired reactor characteristic
is defined by two characteristic
points (X1 and X2).
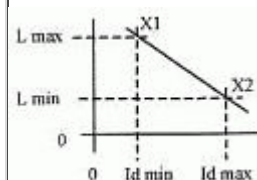
Dimensions and weights for the types ID