

CAT. N° SAH2.85-21.0A



## DETUNED REACTOR THREE-PHASE 50 HZ TUNING FREQUENCY 189HZ FOR THREE-PHASE CAPACITORS - LN 2.85 MH - I RMS 21 A

Pack (number of units)	O/R
Volume (dm <sup>3</sup> )	O/R
Weight (g)	O/R

### Product characteristics

#### Detuned reactors three-phase 50 Hz tuning frequency 189 Hz

- $P\% = 7 / n = 3.78$
- To be associated with 440 V / 480 V capacitors

#### For three-phase capacitors

- $L_n : 2.85 \text{ mH}$
- $I_{RMS} : 21 \text{ A}$

### General characteristics

#### Detuned reactors

- The detuned reactors are designed to protect the capacitors against harmonics and avoid parallel resonance and amplification of harmonics flowing on the network
- The connection of these reactors in series with capacitors causes a shift of the resonance frequency of the circuit composed by feeding transformer-reactors- capacitors so that the resulting self-resonance frequency is well below the line harmonics
- The blocking factor  $p\%$  is expressed by the ratio between inductive reactance and capacitive reactance it corresponds to the increase of voltage applied to capacitors, with respect to line voltage, due to circulation of capacitive current in the reactor
- Conforming to standards IEC 60076-6

### Documentation



#### Catalogue pages & additional information

- [Description page \(p.122\)](#)