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A Group brand legrand

ALPIBLOC - Fixed power factor correction

Part number: BH9040

Alpibloc is an ALIPAVR² capacitor with built-in circuit breaker, assembly fitted and wired in an IP31 – IK05 box or cabinet. Equipment supplied ready for connection, for fixed PFC.

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1. Technical data

Range:	ALPIBLOC
Type:	H
Nominal power:	90 kVAr
Nominal voltage:	400 V - 50 Hz - Tri
Max permissible voltage:	520 V (capacitors)
Harmonic level:	2% < THDU < 3% et 5% < THDI < 10%
	15% < SH/ST ≤ 25%
Insulation class:	6 kV / 25 kV
Loss factor:	2 W / kVAr
Temperature class:	-10℃ / +45℃
	Average over 24H: +40℃
	Annual average: +35℃
Weight:	75 kg
Dimensions (W x D x H mm) :	540 x 230 x 380
Type :	Indoor
Storage :	-30℃ / +60℃
Environment :	Dry
	Dust-free
	Non-corrosive
	Vibration-free
Standard:	IEC 60831-1 and 2

2. Description

This fixed capacitor bank includes:

- **1 ALPIVAR² capacitor:**
  - Totally dry unit (without oil impregnation)
  - Double insulation or class II
  - Internal electrical protection by self-healing film, electrical fuse and disconnection device in case of overpressure
  - With discharge resistors (discharging time 3 minutes)
  - Complies with international standard (IEC 60831-1 & 2)
- **1 circuit breaker 250 A, thermal setting at 200 A, Isc=36 kA/400 V.**
- **1 cubicle, IP31-IK05, in which are mounted and wired the above components.**

3. Additional equipment

Power connecting cables with minimum cross section of 50 mm² Cu / phase.

4. Installation instructions

Wait for 3 minutes before reconnecting the capacitor in compliance with mandatory discharging time.

External environment for the cubicle:

- Dry and dust free
- Non-corrosive atmosphere
- Maximum temperature: +40℃
- Average over 24 hours: +35℃
- Annual average: +25℃

A minimum clearance distance of 200 mm must be respected against any obstacle (wall, distribution board) to insure good ventilation.

For more details on the commissioning and maintenance, refer to installation instructions.