

## POLB44500HD

Industrial automation components

<b>Manufacturer</b>	Inny/Other/Andere
<b>Catalog number</b>	polb44500hd
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Rated Voltage</b>	440 V
<b>Capacitance</b>	3 x 411 $\mu$ F
<b>Nominal Power</b>	50 kVar
<b>Dielectric</b>	Metallized polypropylene
<b>Overpressure Disconnection System</b>	Yes

### Description

The Lifasa POLB44500HD is a three-phase power capacitor designed for reactive power compensation in 50 Hz electrical systems. With a rated voltage of 440 V and a capacitance of 3 x 411  $\mu$ F, it delivers a nominal power of 50 kVar, making it suitable for industrial applications requiring efficient power factor correction. The capacitor features a metallized polypropylene dielectric with low losses, filled with inert gas N<sub>2</sub>, ensuring self-healing properties and enhanced reliability. It is equipped with an overpressure disconnection system that provides a high level of safety by disconnecting all three phases in case of internal defects. The capacitor is housed in a cylindrical aluminum can with an M12 stud for mounting and grounding, and connections are made via a terminal block with clamp-type terminals. The device complies with international standards, including IEC 60831, EN 60831, and UL 810, and is available in protection degrees IP20 and IP54, depending on the configuration.