



## OPTIM HYB1-90-440

OPTIM HYB1-90-440, Capacitor bank

Code: R4E103.

- > Cable section (mm<sup>2</sup>): 1 x 95
- > kvar (400 V): 75
- > kvar (440 V): 90
- > Man.Switch (A): Included
- > Composition 230V/50Hz (Single-phase): (3 x 2 x 5) +
- > Composition 400V/50Hz (Three-phase): (3 x 15)
- > Use voltage (V): 440

### Specifications

#### AC power supply

Frequency	50 Hz
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#### Electrical characteristics

Losses (W)	< 0,5 W/kvar
Discharge resistance	75 V / 3 min
Surge	10 % 8 h over 24 h 15 % up to 15 min over 24 hours 20 % up to 5 min over 24 hours 30 % up to 1 min over 24 hours
Manoeuvre voltage	Contactors: 230 V
Reinforcement voltage	3 x 440 V F-F / 1 x 254 V F-N
Tolerance C	-5% / +10%

#### Mechanical characteristics

Size (mm) width x height x depth	685 x 970 x 340 (mm)
Envelope	Steel sheet grey RAL 7035
Fastening	Vertical
Ventilation	Natural
Weight (kg)	42

#### Environmental characteristics

Protection class	IP 21
Relative humidity (without condensation)	80%
Working temperature	-25 ... +45 °C

#### Current measurement circuit

Permanent overload	1,3 I <sub>n</sub>
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#### Standards

Electrical safety, Maximum height (m)	< 2000
Standards	IEC 61921, IEC 61642, IEC 60831

#### Features / performance

Components	Cylindrical capacitor, CLZ-FP type aluminium casing Reactive energy regulator,
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HYB computer communicating via RS-485 with a CVM-MINI-RS485 type power analyser

Optional

4-pole circuit breaker at capacitor bank header  
4-pole circuit breaker + earth leakage protection at capacitor bank header

### Protection

Circuit breaker type

Single or three-pole circuit breaker protection in each single or three-phase step



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### Dimensions

