



## OPTIM 1-5-440

OPTIM 1-5-440, Capacitor bank

Code: R3Q641EN00000

- > Cable section (mm<sup>2</sup>): 6
- > Nr steps: 1
- > kvar (400 V): 4
- > kvar (440 V): 5
- > Aut.Switch (A): Included
- > Man.Switch (A): -
- > Composition: 1 x 5
- > Use voltage (V): 440
- > Mounting: Wall-mounted

### Description

The regulated capacitors of the OPTIM 1 / OPTIM 1A / OPTIM 1M series are power factor compensation units operated by a computer one (OPTIM 1 / OPTIM 1A) or computer one m (OPTIM 1M) reactive relay.

### Application

Their simple installation, high-technology and robustness make OPTIM 1 / OPTIM 1A / OPTIM 1M regulated capacitors an ideal compact unit for compensating reactive energy in low power installations or loads where the load levels are not subject to major fluctuations such as:

- Small businesses
- Restaurants
- Lifts
- Irrigation pumps
- etc.



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### 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	440 V
Tolerance C	-5% / 10 %
Voltage	400 V (other voltages on request)

#### Mechanical characteristics

Size (mm) width x height x depth	215 x 500 x 166 (mm)
Envelope	Thermoplastic. RAL 7035
Fastening	Vertical
Ventilation	Natural or forced according to options
Weight (kg)	3,5

#### Environmental characteristics

Protection class	IP 21
Relative humidity (without condensation)	80%
Working temperature	T <sup>a</sup> class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, minimum: -50 °C

#### Current measurement circuit

Permanent overload	1,3 I <sub>n</sub>
Transformation ratio	I <sub>n</sub> /0,25 A

#### Standards

Electrical safety, Maximum height (m)	1000 máx. (para altitud mayor prever siempre ventilación forzada)
Standards	IEC 60831-1, IEC 61921, IEC 60439

#### Features / performance

Optional	Other frequencies, consult.
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OPTIM\_1



## OPTIM 1-5-440

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Automatic capacitor bank with reactive relay.

CODE	TYPE	kvar (400 V)	kvar (440 V)	Nr steps	Cable section (mm <sup>2</sup> )
<b>OPTIM 1, automatic capacitor bank with reactive relay. Requires one measuring transformer - MC series 250 mA (see Measuring current Transformers)</b>					
R3Q631EN00000	OPTIM 1-2,5-440	2	2,5	1	6
R3Q641EN00000	OPTIM 1-5-440	4	5	1	6
R3Q651EN00000	OPTIM 1-6,25-440	5	6,25	1	6
R3Q671EN00000	OPTIM 1-10-440	8	10	1	6
R3Q691EN00000	OPTIM 1-15-440	12,5	15	1	6
R3Q6E1EN00000	OPTIM 1A-18,2-440	15	18,2	1	6
R3Q6F1EN00000	OPTIM 1A-25-440	20	25	1	10
R3Q6D1EN00000	OPTIM 1A-30-440	25	30	1	10



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## Dimensions

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