



OPTIM 1-5-440

OPTIM 1-5-440, Capacitor bank

Code: R3Q641EN00000

- > Cable section (mm²): 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° class D: Daily average: 45 °C, annual average: 35 °C, maximum: 55 °C, minimum: -50 °C

Current measurement circuit

Permanent overload	1,3 In
Transformation ratio	In / 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 (mm2)
OPTIM 1, automatic capacitor bank with reactive relay. Requires one measuring transformer - MC series 250 mA (see Measuring current Transformers)					
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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Capacitors banks

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Dimensions

