



Power Quality Solutions

Vacuum Contactor for Indoor Applications - Electrical Latch Type

Series/Type: EVC12400
Ordering code: B44061*
Date: August 2018
Version: 8

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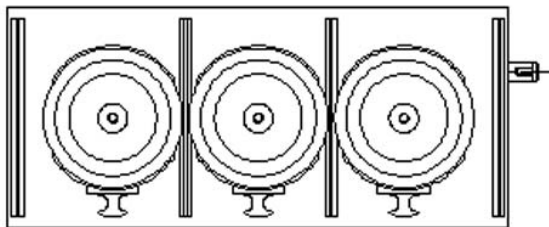
EPCOS AG is a TDK Group Company.

Preliminary data
Technical data and ordering codes

Voltage	kV	12
Rated thermal current	Amp	400
Motor switching current (AC3)	Amp	400
Motor switching current (AC4)	Amp	200
Capacitor switching current	Amp	200
Rated power frequency	kV	28
Lightning impulse (1.2/50 μ sec)	kVp	75
STC for 1 sec	kAmp	10 kArms with 25 kA dynamic peak.
Operation frequency	operation/hr	120
Category of use		AC4
100 closing operations	Amp	4000
25 opening operations	Amp	4000
Aux. voltage (AC/DC)	V	110/220
Life expectancy		
Electrical life (category AC3)	operations	100000
Mechanical life	operations	200000
Capacitor switch duty	operations	50000
Short circuit breaking capacity (kA)	kAmp	4
Short circuit making capacity (kA)	kAp	25
Contact gap (approx.)	mm	5 ... 6
Closing time (approx.)	ms	100
Closing current (approx.)	Amp	5
Holding current (approx.)	Amp	0.5
Closing coil wattage (approx.)	Watt	880
Holding coil wattage (approx.)	Watt	88
Weight (approx.)	Kg	28
Reference standard		IEC 60470 / IEC 60694
Ordering codes		
3 terminals	for 220 V AC/DC	B44061C2400G110
3 terminals	for 110 V AC/DC	B44061C2401G110
2 terminals	for 220 V AC/DC	B44061C2400F110
2 terminals	for 110 V AC/DC	B44061C2401F110
1 terminal	for 220 V AC/DC	B44061C2400E110
1 terminal	for 110 V AC/DC	B44061C2401E110

Display of ordering codes for EPCOS products

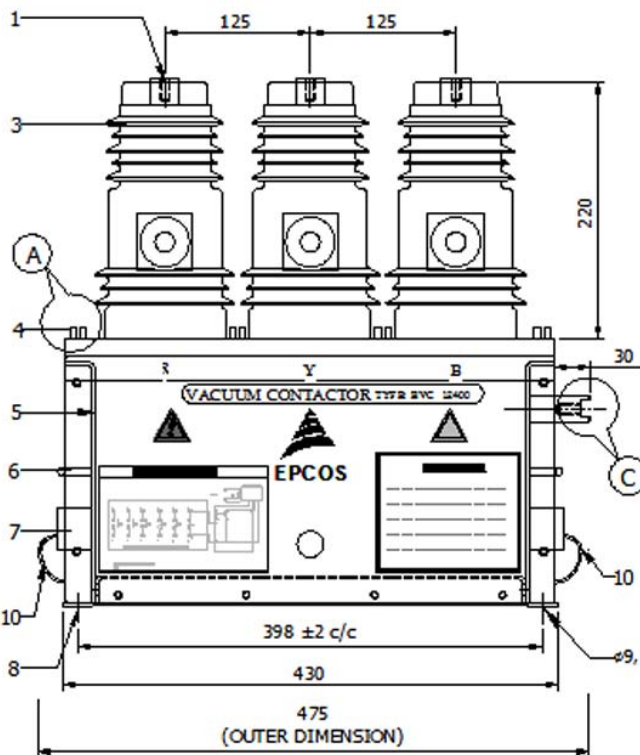
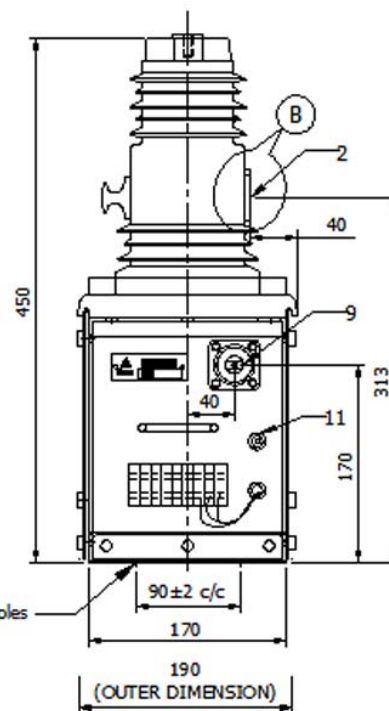
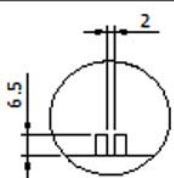
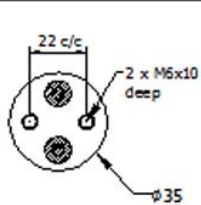
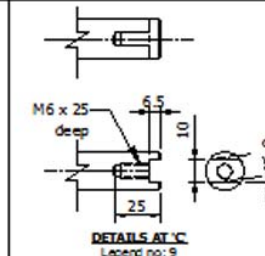
The ordering code for one and the same EPCOS product can be represented differently in data sheets, data books, other publications, on the EPCOS website, or in order-related documents such as shipping notes, order confirmations and product labels. **The varying representations of the ordering codes are due to different processes employed and do not affect the specifications of the respective products.** Detailed information can be found on the Internet under www.epcos.com/orderingcodes

Preliminary data
Dimensional drawings

TOP VIEW
ORDERING CODE:

- B44061C2400G110- FOR 220V AC/DC SUPPLY
- B44061C2401G110- FOR 110V AC/DC SUPPLY

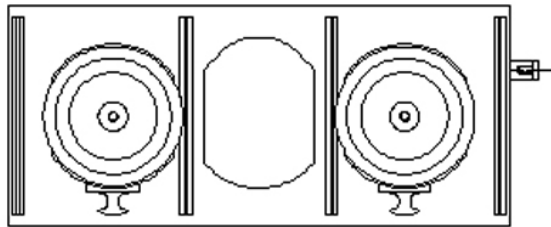
Instructions:

1. Use Copper flex for incoming & outgoing terminals to avoid mechanical stress on terminals.
(copper flex not in EPCOS scope of supply)
2. Mount vacuum contactor on horizontal, sturdy & even surface. Vacuum contactor should be in vertical position (incoming terminal at top) during operation & storage.
3. Insulating phase barrier/shroud should be used on phase terminals (not in EPCOS scope of supply)


FRONT VIEW

SIDE VIEW

DETAILS AT 'A'
Legend no: 4

DETAILS AT 'B'
Legend no: 2

DETAILS AT 'C'
Legend no: 9
Note:
Mechanism shaft angle OFF condition approx. max 61° ±2°
& Mechanism shaft angle ON condition approx. max 21° ±2°

Legend :-

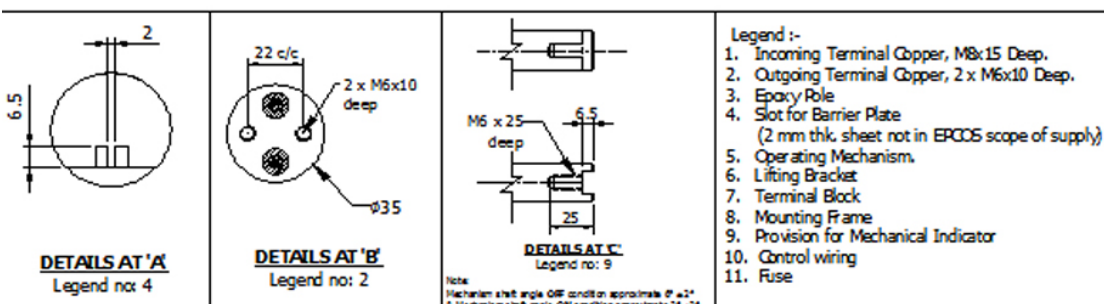
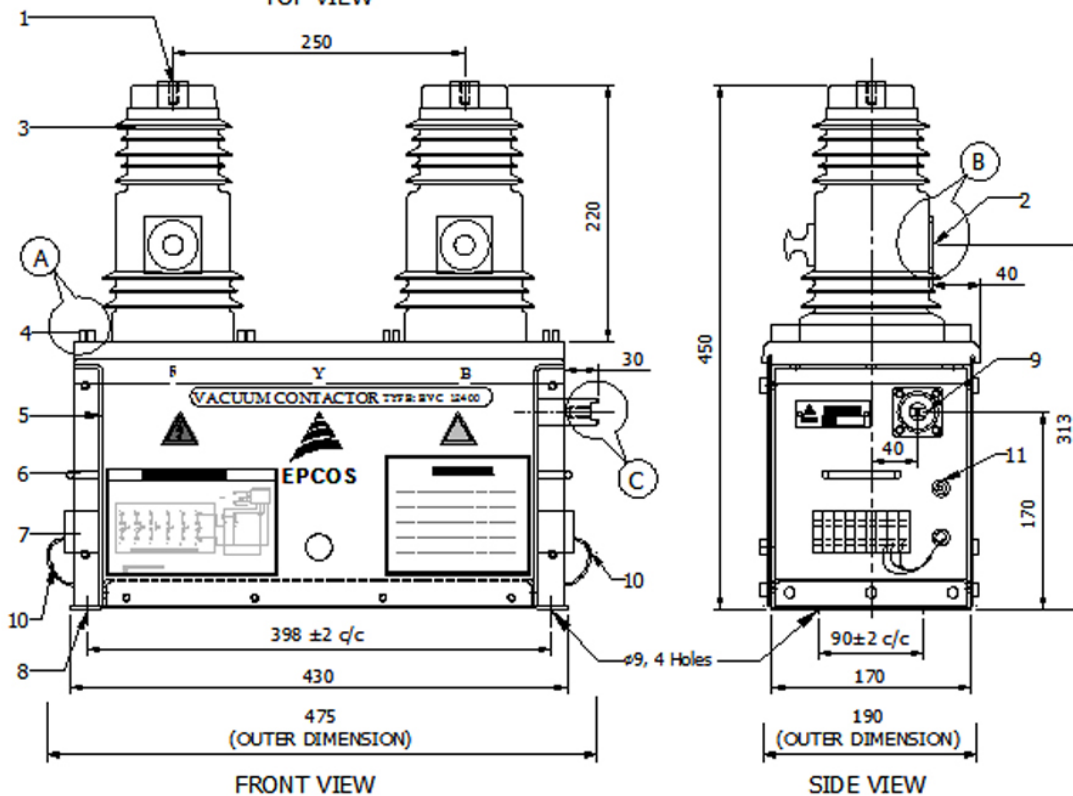
1. Incoming Terminal Copper, M6x15 Deep.
2. Outgoing Terminal Copper, 2 x M6x10 Deep.
3. Epoxy Pole
4. Slot for Barrier Plate
(2 mm thk. sheet not in EPCOS scope of supply)
5. Operating Mechanism.
6. Lifting Bracket
7. Terminal Block
8. Mounting Frame
9. Provision for Mechanical Indicator
10. Control wiring
11. Fuse

Preliminary data

ORDERING CODE:

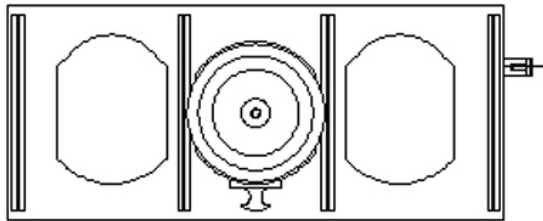
- B44061C2400F110- FOR 220V AC/DC SUPPLY
- B44061C2401F110- FOR 110V AC/DC SUPPLY

Instructions:

1. Use Copper flex for incoming & outgoing terminals to avoid mechanical stress on terminals.
(copper flex not in EPCOS scope of supply)
2. Mount vacuum contactor on horizontal, sturdy & even surface.
Vacuum contactor should be in vertical position
(incoming terminal at top) during operation & storage.

TOP VIEW


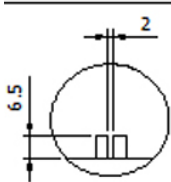
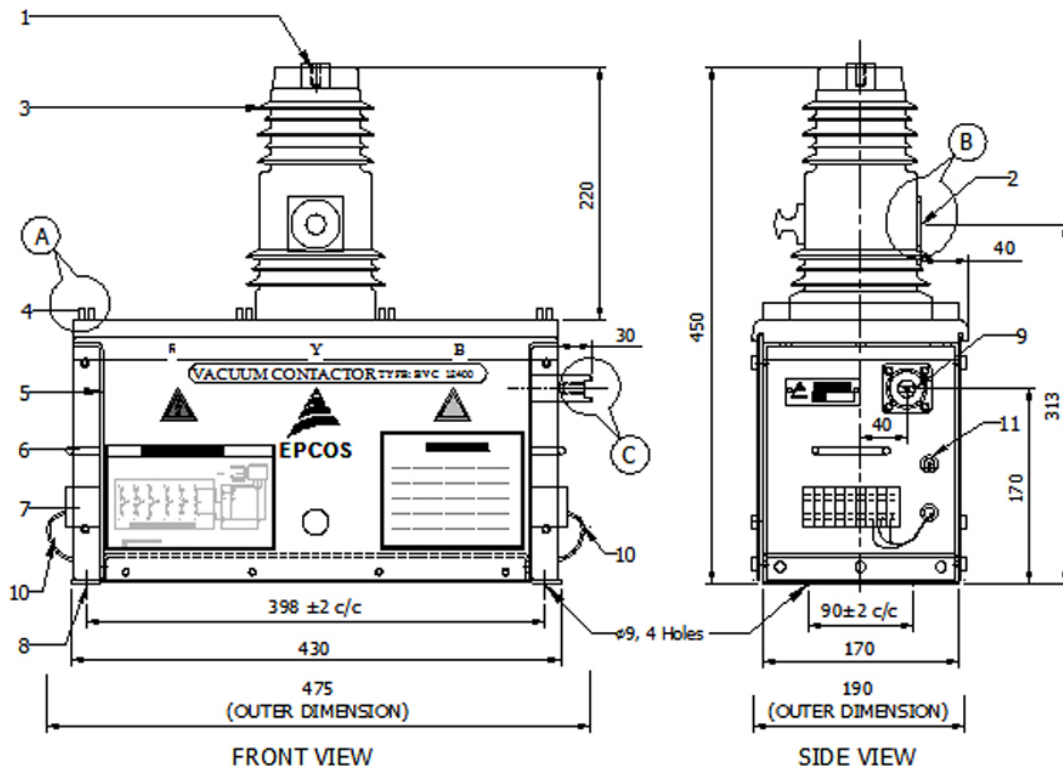
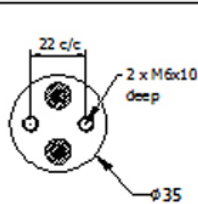
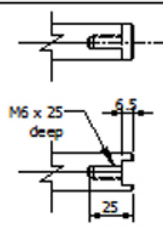
- Legend :-**
1. Incoming Terminal Copper, M8x15 Deep.
 2. Outgoing Terminal Copper, 2 x M6x10 Deep.
 3. Epoxy Resin
 4. Slot for Barrier Plate
(2 mm thk sheet not in EPCOS scope of supply)
 5. Operating Mechanism.
 6. Lifting Bracket
 7. Terminal Block
 8. Mounting Frame
 9. Provision for Mechanical Indicator
 10. Control wiring
 11. Fuse

Preliminary data

TOP VIEW
ORDERING CODE:

- B44061C2400E110 - FOR 220V AC/DC SUPPLY
- B44061C2401E110 - FOR 110V AC/DC SUPPLY

Instructions:

1. Use Copper flex for incoming & outgoing terminals to avoid mechanical stress on terminals.
(copper flex not in EPCOS scope of supply)
2. Mount vacuum contactor on horizontal, sturdy & even surface
Vacuum contactor should be in vertical position
(incoming terminal at top) during operation & storage.


DETAILS AT 'A'
Legend no: 4

DETAILS AT 'B'
Legend no: 2

DETAILS AT 'C'
Legend no: 9

Legend -

1. Incoming Terminal Copper, M8x15 Deep.
2. Outgoing Terminal Copper, 2 x M6x10 Deep.
3. Epoxy Pole
4. Slot for Barrier Plate
(2 mm thk. sheet not in EPCOS scope of supply)
5. Operating Mechanism.
6. Lifting Bracket
7. Terminal Block
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The following applies to all products named in this publication:

1. Some parts of this publication contain **statements about the suitability of our products for certain areas of application**. These statements are based on our knowledge of typical requirements that are often placed on our products in the areas of application concerned. We nevertheless expressly point out **that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application**. As a rule, EPCOS is either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether an EPCOS product with the properties described in the product specification is suitable for use in a particular customer application.
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Important notes

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