

# AC motors single phase connection

drawing number: 9460149490



alfa.luvegroup.com

### BOARD RATED VALUE

VOLTAGE DC	---
VOLTAGE AC	230 Vac $\pm$ 10%
FREQUENCY	50 - 60 Hz $\pm$ 2%
POWER MAX	
SHORT CIRCUIT CURRENT (Icc)	
IP DEGREE WITH CLOSED DOORS	IP54
IP DEGREE WITH OPENED DOORS	IP20

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01	General review	22/06/2017	DRI	Proved		PCIA
Status	change	date	name			






















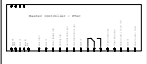












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	ELECTRIC MOTOR		THERMAL PROTECTION CONTROL		RESISTOR		MANUALLY OPERATED SWITCH
	TERMINALS		CONVERTER		VARIABLE RESISTOR		MAINTENANCE SWITCH
	EARTHING		ELECTRONIC MOTOR		HEATER		OPEN CONTACT
	WIRES CONNECTION		CUT-PHASE SPEED CONTROLLER SINGLE PHASE		VOLTAGE TRANSFORMER		CLOSED CONTACT
	T-CONNECTION		CUT-PHASE SPEED CONTROLLER THREE PHASE		PLUG AND SOCKET		CHANGEOVER CONTACT
	SERIE CONNECTION		MASTER CONTROLLER EC REGULATOR		FEMALE CONTACT (OF A SOCKET OR PLUG)		MAKE CONTACT, DELAYED WHEN THE DEVICE CONTAINING THE CONTACT IS BEING ACTIVATED
	PARALLEL CONNECTION		SAFETY OR EMERGENCY CONTROL WITH MUSHROOM PUSH-BUTTON		MALE CONTACT (OF A SOCKET OR PLUG)		BREAK CONTACT, DELAYED WHEN THE DEVICE CONTAINING THE CONTACT IS BEING DE-ACTIVATED
	ROTATIVE CONTROL		KEY CONTROL		PUSH-BUTTON CONTROL		PUSH-BUTTON CONTROL

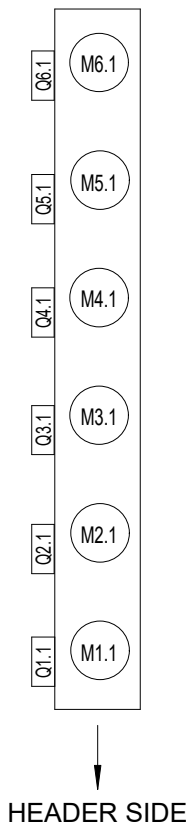
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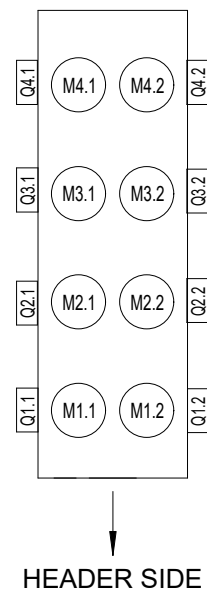
SYMBOLS

# LABELING ELECTRICAL COMPONENTS

## UNITS SINGLE ROWS



## UNITS DOUBLE ROWS



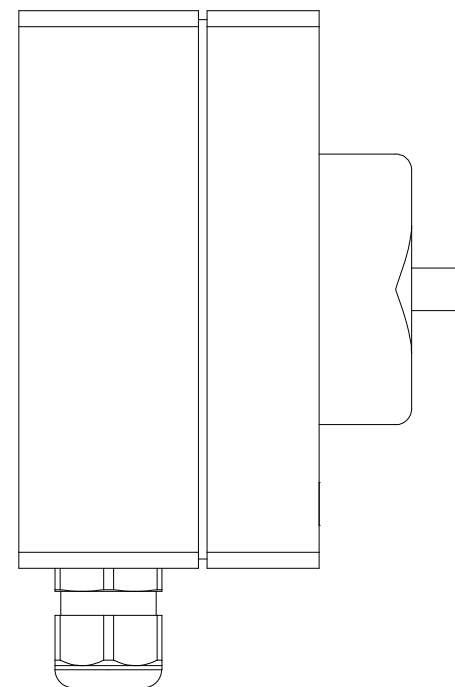
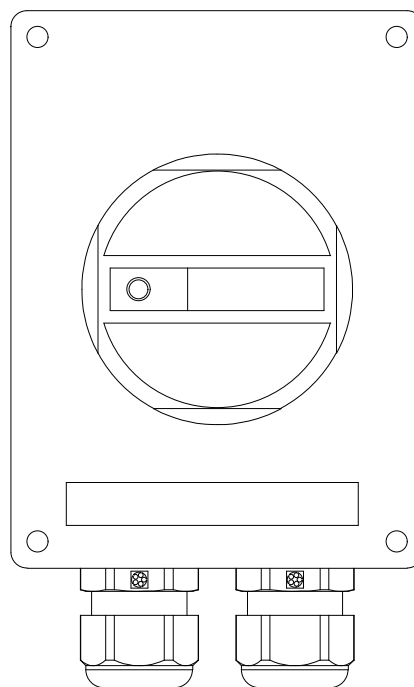
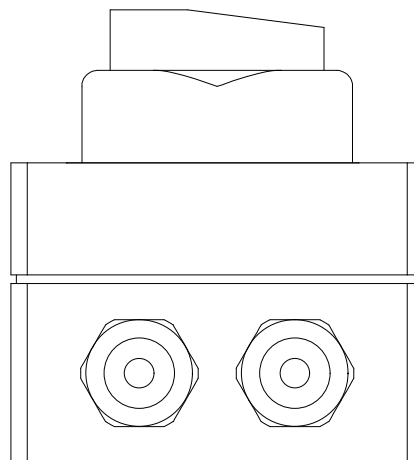
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UNIT LAYOUT

Q1.1 - Q6.1  
Q1.2 - Q4.2



**Technical data**

Material: Polycarbonate  
 IP protection class: IP66  
 Color: Grey/black  
 Rated insulation voltage: 690V  
 Rated operational current: 16A  
 Ambient temperature: -40/+80°C

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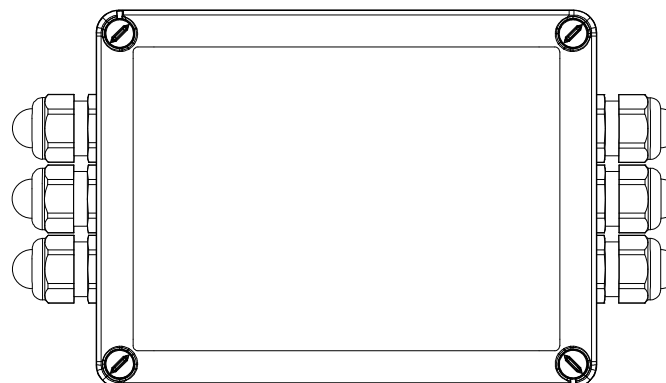
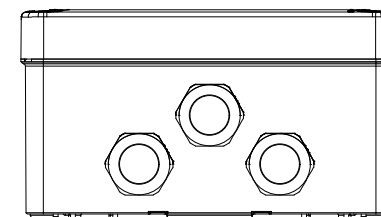
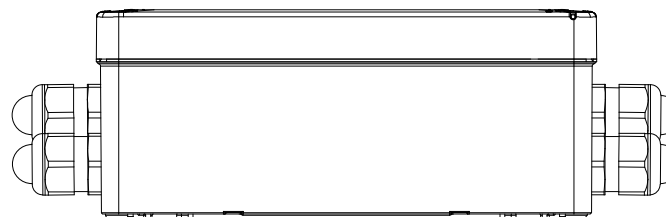
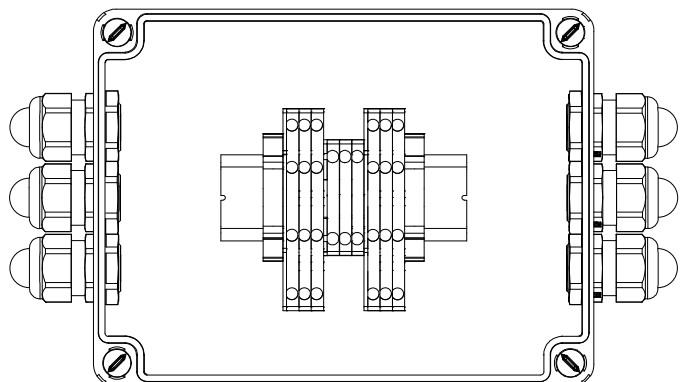


SWITCH LAYOUT

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CB1



Technical data

Material: Polycarbonate

IP protection class: IP56

Color: RAL7035

Rated insulation voltage: 750V

Ambient temperature: -25/+60°C

Dimensions: 190x140x70 mm

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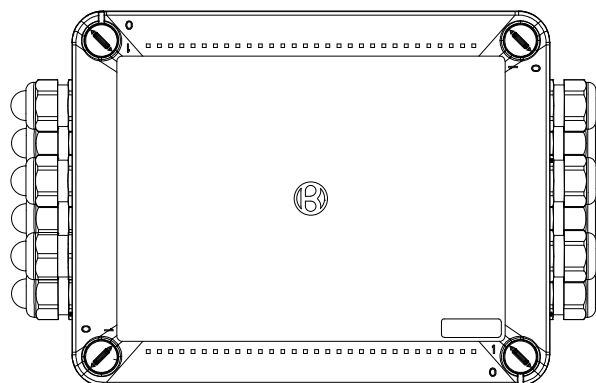
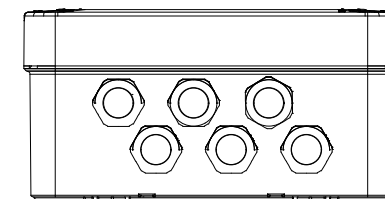
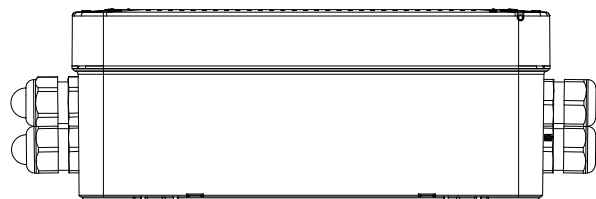
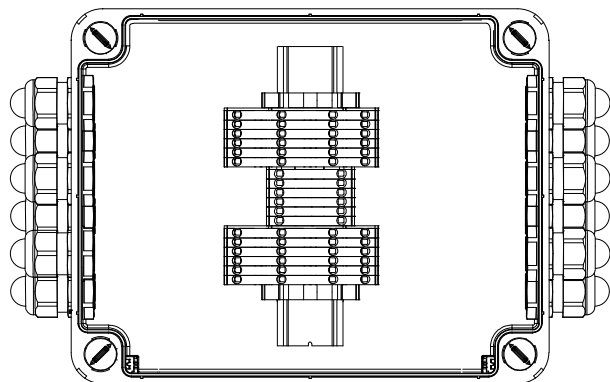


CONNECTION BOX LAYOUT  
3 FANS - 1 PHASE

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CB1



Technical data

Material: Polycarbonate  
 IP protection class: IP56  
 Color: RAL7035  
 Rated insulation voltage: 750V  
 Ambient temperature: -25/+60°C  
 Dimensions: 240x190x90 mm

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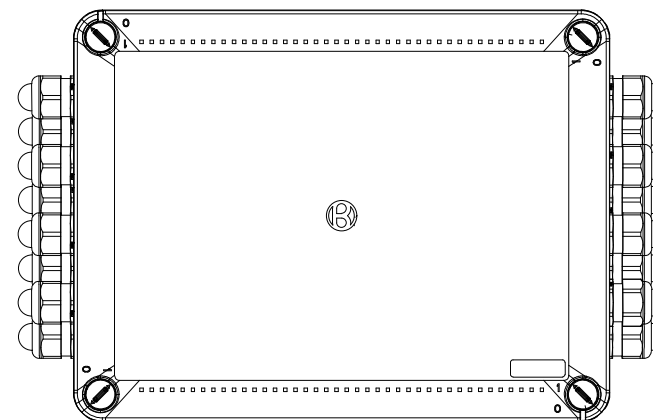
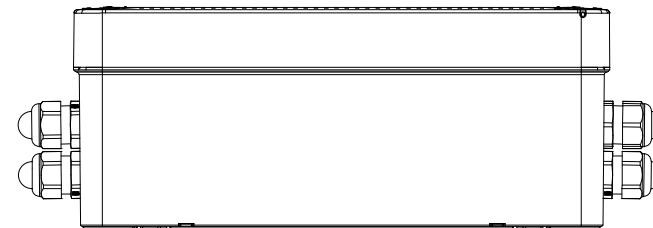
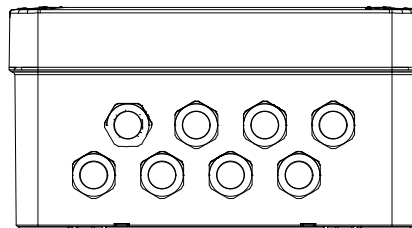
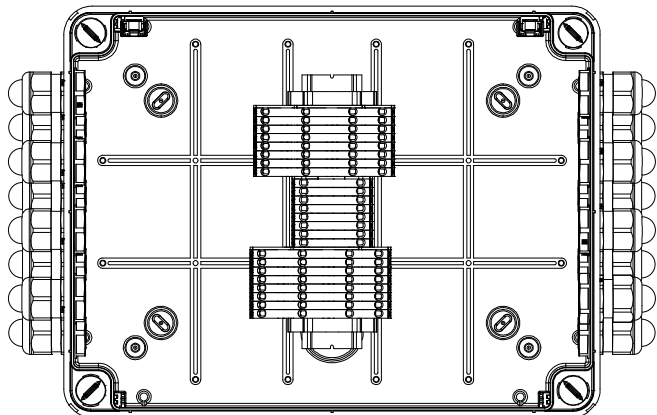


CONNECTION BOX LAYOUT  
 6 FANS - 1 PHASE

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CB1



Technical data

Material: Polycarbonate  
 IP protection class: IP56  
 Color: RAL7035  
 Rated insulation voltage: 750V  
 Ambient temperature: -25/+60°C  
 Dimensions: 300x220x120 mm

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CONNECTION BOX LAYOUT  
 8 FANS - 1 PHASE

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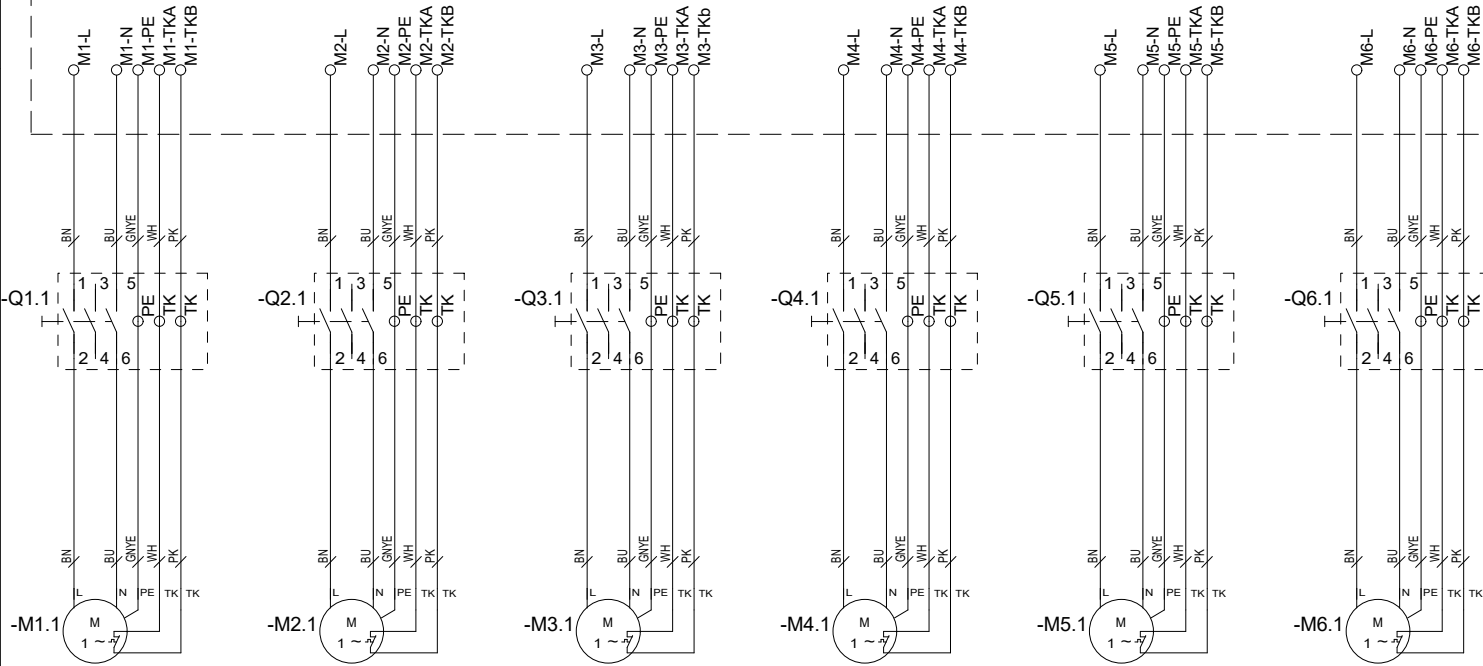
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# AC MOTORS POWER CONNECTION

## 1-phase motors single row

CB1



**NOTE: switch for maintenance before motors are optional**  
**NOTE: fans number according to the order**

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**FANS CONNECTION  
SINGLE ROW UNIT**

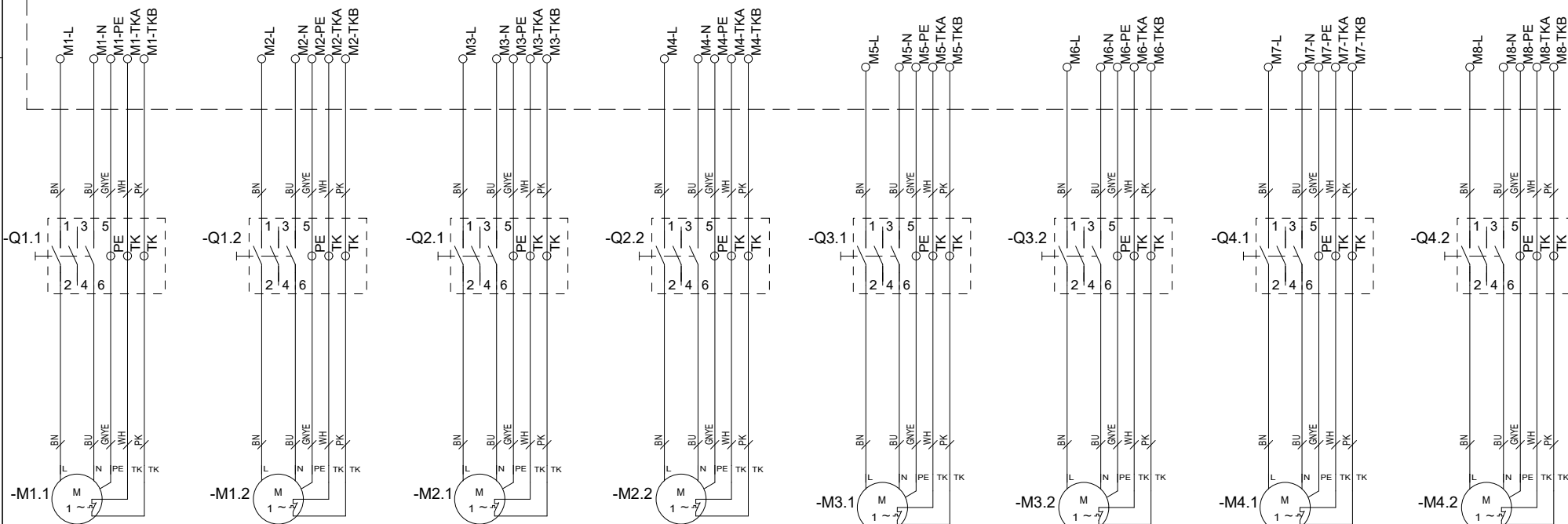
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# AC MOTORS POWER CONNECTION

## 1-phase motors double row

CB1



**NOTE: switch for maintenance before motors are optional**  
**NOTE: fans number according to the order**

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FANS CONNECTION  
DOUBLE ROW UNIT

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