

## FRQ5-4A+LED V2

frequency converter, 208-480V, 1,5kW, 4A, IP54, 5-Step

Item Number: 36229

Variant: 3~ 50Hz

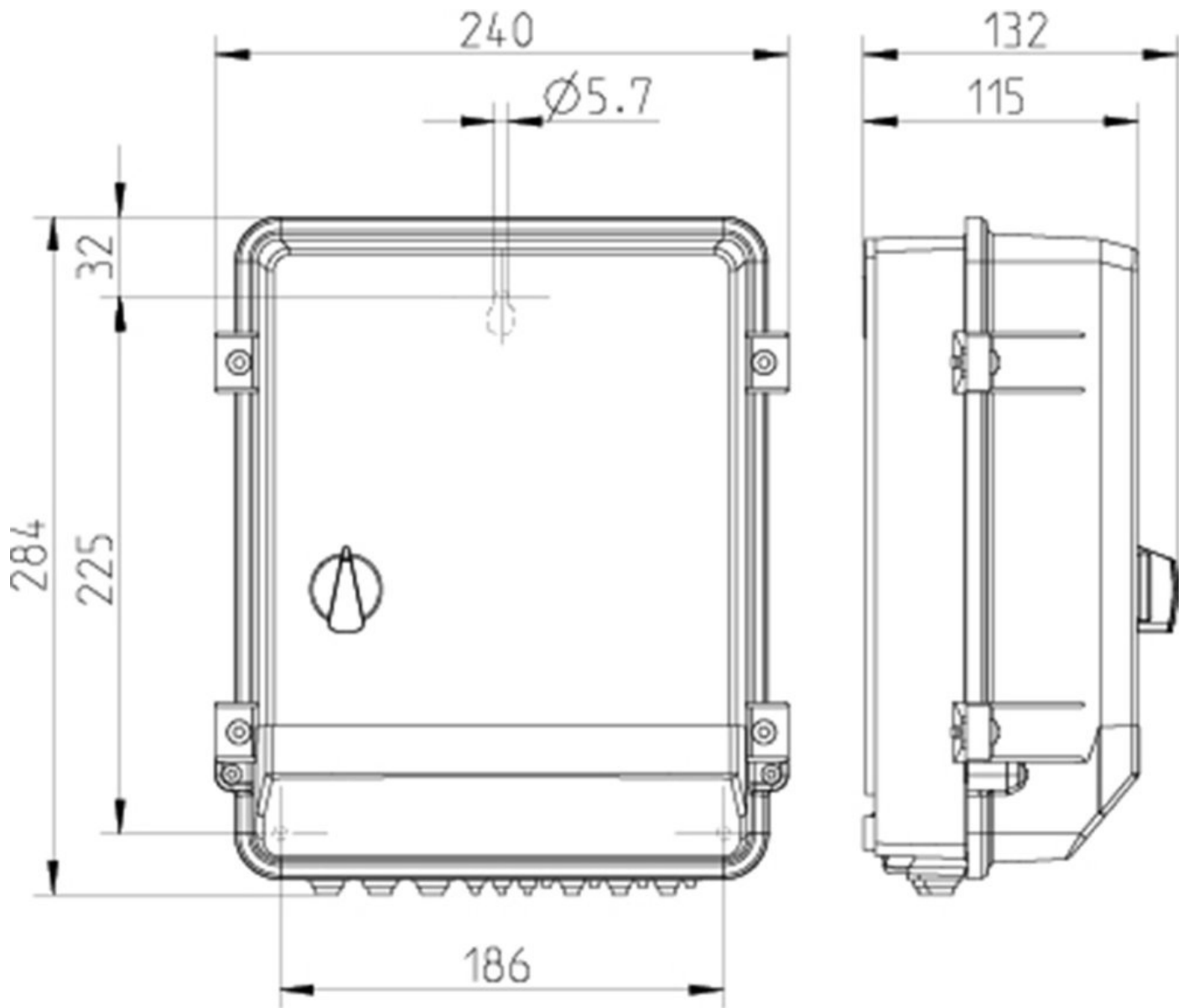
Speed controller with 5-step switch for 3~ fan  
 Optimized frequency inverters for the control of one fan motor for frequency converter suitable isolation system and bearings e.g. IE2  
 Integrated 5-Step switch  
 Step0=0Hz; Step1=10Hz; Step2=20Hz; Step3=30Hz; Step4=40Hz; Step5=50Hz  
 Potential-free operation notification  
 Enable contact section  
 Motor protection by connecting thermostats "TB" or thermistors "TP"  
 Interference emission EN 61000-6-3  
 Interference immunity EN 61000-6-2  
 Parallel operation of several motors is not allowed  
 Max. length of controller(poti) cable 100m  
 Max. length of motor cable 10m (screened)  
 Please note: Not suitable for external rotor motors  
 When operating with Explosion proof fans the FRQ has to be placed outside the EX zone!



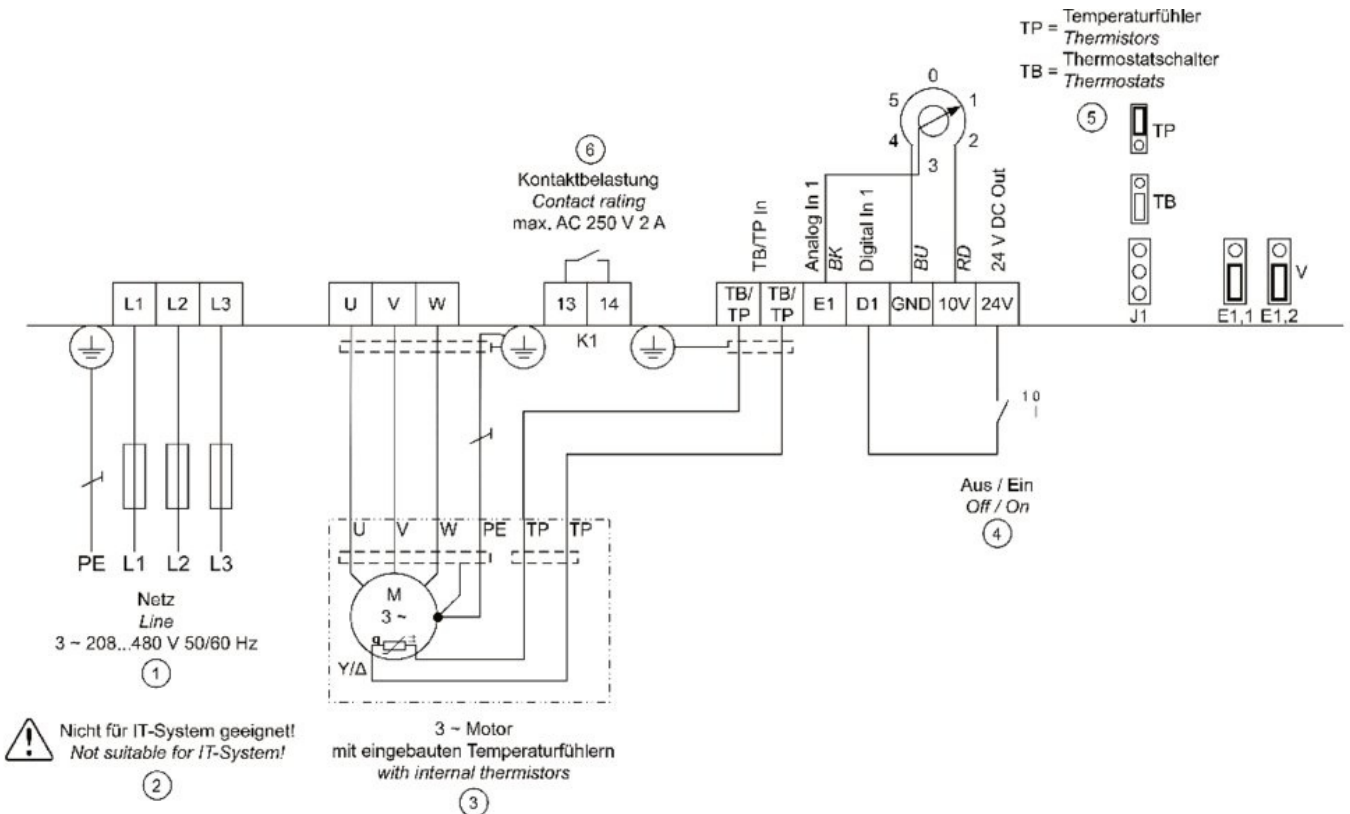
### Technical parameters

Nominal data		
Rated voltage	208 to 480	V
Frequency	50	Hz
Phase(s)	3~	
Max current	4	A
Protection/Classification		
Enclosure class	IP54	
Controller and Sensors		
Recommended fuse, unit	10 A	
Permitted humidity, non-condensing	0 to 85	%RH
Permitted ambient temperature	max 40	°C
Dimensions and weights		
Weight	2.4	kg

## Dimension



# Wiring



- 1 Line 3 ~ 208 V...480 V, 50/60 Hz
- 2 Not suitable for IT system!
- 3 3 ~ Motor with internal thermistors
- 4 Enable Device Off / On
- 5 TP = thermistors, TB = thermostats
- 6 Contact rating max. 2A / 250 V AC

## Accessories

- REV-5POL/05 incl. EMC KIT (34549)

## Documents

- IMO FRQ5-4A\_10A\_16A V2\_EN.PDF
- EG-KONFORMITAETSERKLAERUNG FRQ\_DE-EN.PDF

## Specification

Frequency inverter for the control of one fan motor with frequency converter suitable isolation system and bearings e.g. IE2. Fan speed preset via integrated 5-step switch.

Step0=0Hz; Step1=10Hz; Step2=20Hz; Step3=30Hz; Step4=40Hz; Step5=50Hz

Enable contact section.

Potential-free operation notification.

Motor protection by thermal contact, PTC.

Interference emission EN 61000-6-3,

Interference immunity EN 61000-6-2.

Parallel operation of several motors is not allowed. Max. cable length external potentiometer 100m.Max. length of motor cable 10m (screened).

Caution: Not suitable for external rotor motors!

When operating with Explosion proof fans the FRQ has to be placed outside the EX zone!

Technical data:

Voltage:208...480 V

Phase:3~

Frequency:50...60 Hz

max. current:4 A

max. power:1.5 kW

Recommended fuse:10 A

Ambient temperature:40 °C

Permitted rel. humidity, non-condensating: 85 %

Protection grade: 54 IP

Weight: 2.4 kg