

FRQ-4A V2

Item no. 36227

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Description

Speed controller with 0-10V Input for 3~ fan

- Optimized frequency inverters for the control of one fan motor for frequency converter suitable isolation system and bearings e.g. IE2
- Analog input for external speed setting(0-10 V, 0-20 mA, PWM)
- 10V DC output for external potentiometer
- 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

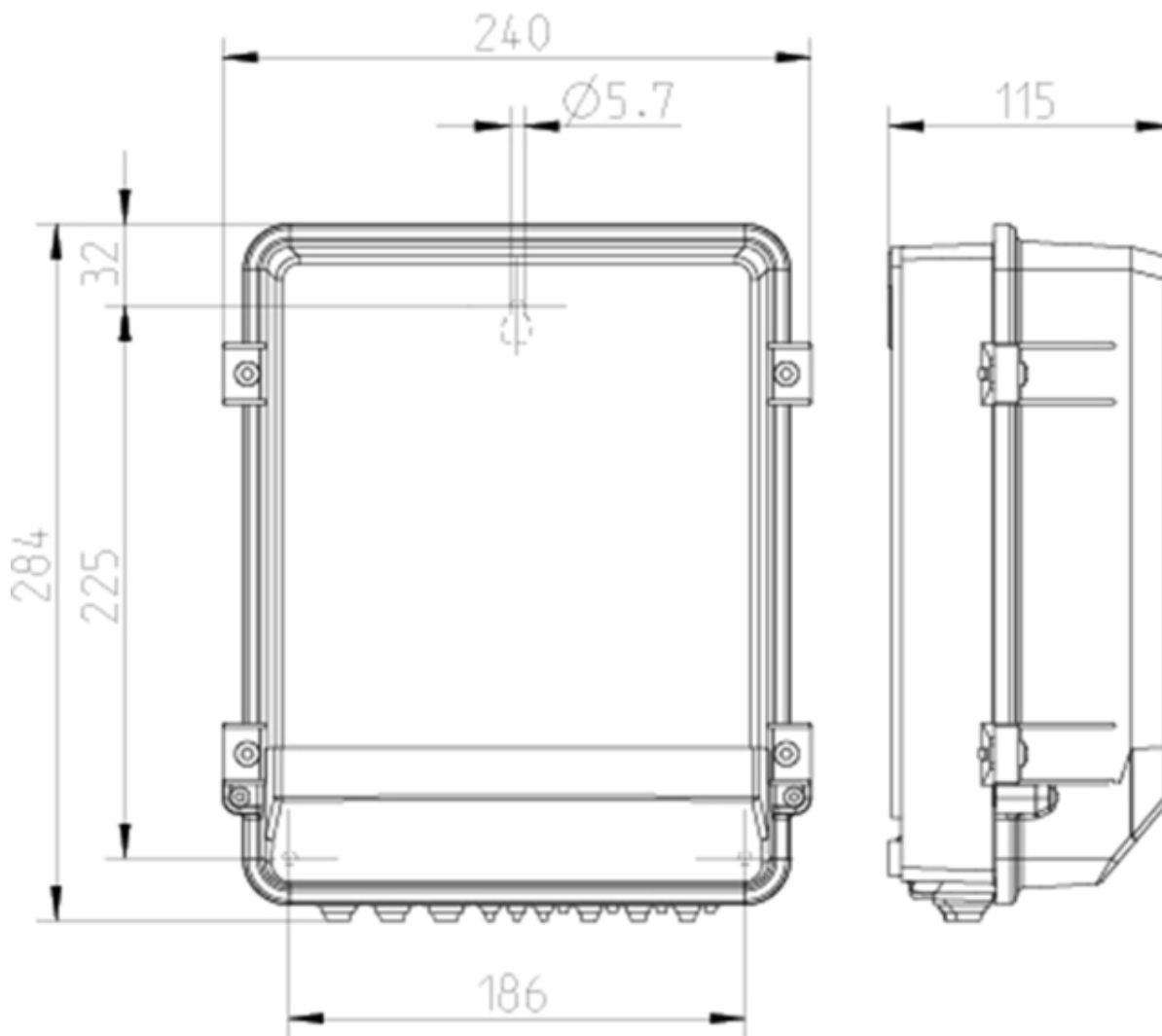
When operating with Explosion proof fans the FRQ has to be placed outside the EX zone!



Technical parameters

Other		
Weight	2,4	kg
Default group		
Phase	3	~
Frequency	50/60	Hz
Max. current	4	A
Recommended fuse	10	A
Permitted max. ambient temperature	40	°C
Enclosure class	IP54	

Dimensions



Accessories

Electric accessories

[MTV-1/010 Controller 0..10V+ \(30650\)](#)

[MTP 10, 10K, Speed control \(32731\)](#)


[MTP 20, on/off, 3-step \(310220\)](#)

[REV-5POL/05 incl. EMC KIT \(34549\)](#)

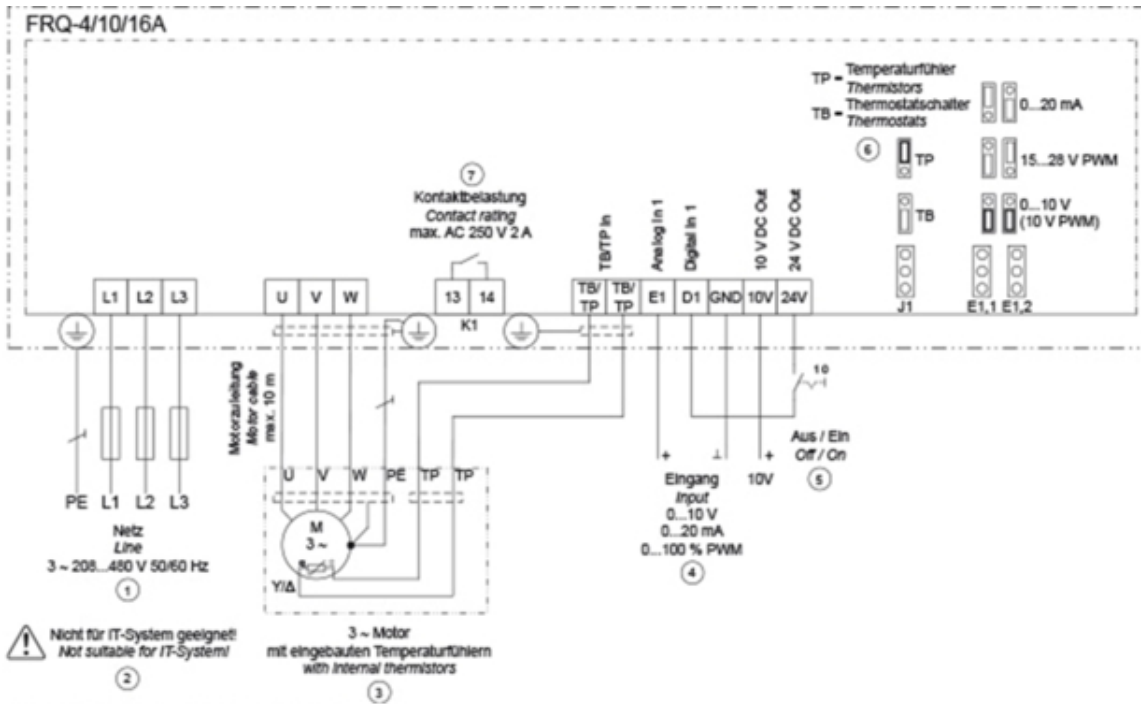
[EC-Selector \(9908\)](#)

[S-5EC/FRQ \(76738\)](#)

Documentation

 [IMO FRQ-4A_10A_16A V2_EN.pdf \(589,97kB\)](#)

Wiring



- 1 Line 3 ~ 208 V...480 V, 50/60 Hz
- 2 Not suitable for IT system!
- 3 3 ~ Motor with internal thermistors
- 4 input: 0...10 V, 0...20 mA, 0...100 % PWM
- 5 Enable Device Off / On
- 6 TP = thermistors, TB = thermostats
- 7 Contact rating max. 2 A / 250 V AC