**Frequency converter MFU 1**

Frequency converter for controlling fan speed in continuously variable manner.

With mains filter and extra terminal block.

With motor protection switch via thermal contact or PTC thermistor.

Control inputs: electrically isolated, PLC-compatible, freely programmable.

Nominal value inputs: 0 - 5 V, 0 - 10 V, 0(4) - 20 mA with voltage and current offset calibration function.

Nominal value output: 1 analogue output 0 - 10 V.

Digital inputs: 6, some of which are freely programmable.

Signal outputs: 2, some of which are freely programmable.

Digital outputs: 2 potential-free outputs for fault and operating messages (changeover contact).

Connections using metric screw connections 2 x PG 12, 2 x PG 16.

Preset in the factory for 15 programmable fixed speeds.

Service life of around 80 000 hours at 80 to 85 % nominal load.

Suitable for DSK, DAS, DSQ, EDR 56/63/71 and all DZ... fans with phase isolation (special version).

ST EC 010 can also be used for remote maintenance.

Technical data

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| Article: | MFU 1 |
| Rated voltage: | 3 x 380 V to 480 V (+/- 10%) |
| Frequency: | 50 Hz/60 Hz |
| Inom: | 1,4 A |
| Recommended motor power: | 550 W |
| Degree of protection: | IP 54 |
| Housing material: | Sheet steel, galvanised |
| Colour: | Light grey, similar to RAL 7035 |
| Weight: | 5,58 kg |
| Weight including packaging: | 6,84 kg |
| Width: | 200 mm |
| Height: | 350 mm |
| Depth: | 157 mm |
| Width with packaging: | 290 mm |
| Height with packaging: | 360 mm |
| Depth with packaging: | 270 mm |
| Ambient temperature: | -10 °C up to 50 °C |
| Packing unit: | 1 piece |
| Range: | C |
| GTIN (EAN): | 4012799572145 |
| Article number: | 0157.1214 |

Manufacturer: MAICO

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