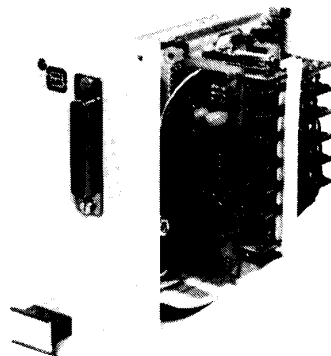


# ANALOGUE SIGNAL MULTIPLEXING UNIT

This device can be used in data acquisition and control systems of power stations. The device is designed to feed the output signal from a transmitter to up to three galvanically independent users. Any of the users can be disconnected without disturbing the operation of the others.

The equipment is suitable to receive signals from two transmitters simultaneously. In addition, it provides the transmitters with supply voltage.



## Specification

Type number

**3 7 7 6 – 0 – A B C – 0 / DEFHJK**

Supply voltage	24 V $\pm 10\%$ DC
Power consumption	15 VA max.
Input current ranges	0...5 mA, 0...20 mA, 4...20 mA DC
Output current ranges	0...5 mA, 0...20 mA, 4...20 mA DC The input and output currents can be programmed in any combination
Output supply voltage	2x24 V $\pm 10\%$
Permissible load of the relay contacts	48 V, 100 mA
Operating temperature range	0...+50 °C

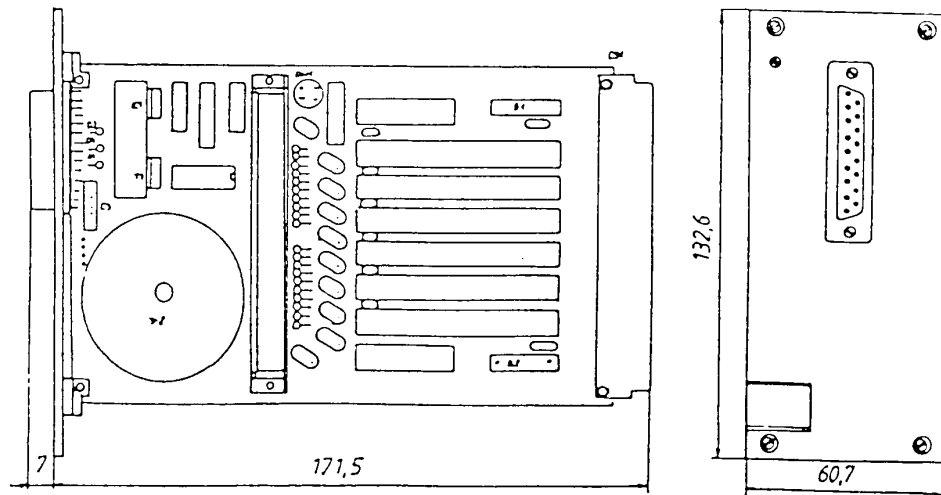
### Dimensions

Europe cassette 3E of 12T module	
Full depth	171.5 + 7 mm
Mass	0.6 kg

The electronic circuits and the supply unit are arranged on a PCB of EUROPE size. The most important electronic units (control unit of the switching-mode power supply, input- and converters) are arranged on a PCB mounted perpendicularly to the EUROPE board.

The operation of the equipment can be tested through a connector mounted on the front panel without disconnecting the mains connection. The multiplexing unit is designed in the version of 3E-rack mount. The system indicates its functional ability by changing-over relay contacts. The two 24 V supply voltages can be used to energize transmitters. The two voltages are galvanically isolated.

The thermal stability of the device as well as the replaceability of its modules are greatly improved by using hybrid components. In this case the current/frequency and frequency/current converters are designed with hybrid circuits.



**Outline drawing**