



## 1. General

In this standard a system is referred to as "**alternating current traction promotion**", which corresponds to the following requirements:

- 1.1 The power feed of the traction units is usually carried out by alternating voltage; as a special case, polarized voltage is also possible.
- 1.2 The direction of rotation of the motors is determined by a **direction switch** in the traction unit and is independent of the polarity of the driving voltage.
- 1.3 The speed of the motors is controlled by the driving voltage.

## 2. Driving voltage

The effective value of the rated voltage is 16 volts.

The maximum frequency of the alternating voltage base wave is 60 Hertz.

## 3. Direction switch

The position of the direction of travel switch determines the direction of travel of the traction vehicle. The direction switching is carried out by a surge pulse of 24 volts nominal value.

The surge pulse must not be shorter than 0.1 s and no longer than 3 s.