

# Model of electric engine, type ES 64 U2 of ÖBB 1116 213-8 series for the MSTs



*The locomotive is an universal type ES64U2 locomotive power system for 15-kV (only 50 pieces ÖBB Series 1016). It belongs to a group of locomotives presented by Siemens under the name EuroSprinter. The roof of the locomotive is equipped with two half-pantographs. Cabinet of the locomotive is made with smooth side walls, there is no windows in the engine room. The engine room is accessible from outside using the single-leaf doors on each side. Access to the driver's station is possible only through the engine room.*

## Author of the model, realisation and mapping of the textures

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## Realisation and debugging of the eng file

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## Photodocumentation:

Mk45-2002

## Model of the engine ÖBB 1116 213-8 was created in two possible versions:

Version 1: CZ and SK /files with the indexation „cz“, „sk“ with the travelling of the pantograph to 5,5 m.

Version 2: AT, DE, CH and HU /files with the indexation „at“, „de“, „ch“ and „hu“ with the travelling of the pantograph to 6 m.



### Operating of the pantographs:

The front one pressing the „SHIFT + P“ keys /1x - up, 2x down/

The back one pressing the „P“ key /1x - up, 2x down/

The pantograph for the CH version is operated by the „P“ key /1x - up, 2x down/

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### Information for the skimmers

Texture „B“ includes the parts of the textures of the train securer EVM /HU/ or MIREL /CZ, SK and HU/. The engine 1116.213-8 is not equipped by neither one nor the second one, so the mentioned parts are covered by the alfa canal. For the realising of the other engine, that is contrarily equipped by these systems, it is necessary to remove the alfa canal.

Texture „F“ is not covered by the alfa channel because of using the ÖBB 1116.213-8 for pulling the ÖBB RJ trains.

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### Licence provisions

This model of 1116 213-8 for the MSTs is a freeware. No part of this model /files .eng, .ace, .s. or .sd/ could be propagated in some commercial project without the agreement of the autor /authors/. It is prohibited to modify or to propagate the mentioned parts of the model without the agreement of the autor /authors/ as well.

**Autor has the authority to accept or to refuse the changing of the skins based on this model.**

**All the team, that realised the model of the engine ÖBB 1116 213-8 wish the great controlling to all of the engine drivers.**

