

# Electric locomotive 193 491-8, HUPAC



Epoch: VI  
14+

Art. No.: 71914 €209,90

Electric locomotive 193 491 of the logistics company Hupac Intermodal.

Rich detailing on the model with 4 pantographs. LED headlights that change with the direction of travel ( 3 white front lights, 1 white rear light). In digital mode the light functions can be switched true to the Swiss model.

- Model with four pantographs
- True to original model with long gutter and raised driver's cabs for the use in Italy
- Freestanding handles partially made of metal
- In cooperation with Railcolor Design

The Swiss logistics company for combined transport "Hupac" has ordered eight freight locomotives of the type Vectron MS from Siemens. The multi-system vehicles enable Hupac's co-operators to act as global players and to couple the European economic areas through the new Gotthard Base Tunnel. Since January 2019 the locomotives 193 490 and 491 have the official Hupac design.

## Specifications:

### General data

|                                     |   |
|-------------------------------------|---|
| Number of axles with traction tyres | 1   |
| Number of driven axles              | 4   |
| Coupling                            | NEM shaft 362 with close coupling mechanism |
| Minimum radius                      | 358 mm                                      |
| Flywheel                            | yes   |

### Electrical

|                |  |
|----------------|--|
| Motor          | 5-pole motor                                   |
| Interface      | Electrical interface for traction units PluX22 |
| Head light     | Light changeover true to the Swiss original.   |
| LED head light | yes  |

### Measurements

|                    |        |
|--------------------|--------|
| Length over buffer | 218 mm |
|--------------------|--------|