

## Electric locomotive 103 195-4, DB



Epoch: IV

14+



Art. No.: 70211

Electric locomotive 103 195 of the Deutsche Bundesbahn.

- Model with short driver's cab and scissors pantographs
- Model with true to original sound functions
- Model with switchable engine room lighting
- Z21-Driver's cab available

In the 1960s, the Deutsche Bundesbahn created with the series E 03 the strongest electric passenger locomotive ever built. A total of 145 locomotives of the later officially designated 103 series were built from 1970 to 1974. Up to now, the locomotives of the series 103 are considered the most elegant locomotives in the model railway world. All locomotives with operation numbers under 215 were delivered with scissors pantographs.

### Specifications:

#### General data

Number of axles with traction tyres	2
Number of driven axles	6
Coupling	NEM shaft 362 with close coupling mechanism
Minimum radius	358 mm
Flywheel	yes
Z-21 Cab	yes

#### Electrical

Buffer capacitor	yes
Interior lighting	Yes
Interior lighting	LED
Interior lighting	Digital switchable
Interior lighting	Engine room lighting
Motor	5-pole motor
Digital decoder	PluX22

**Electrical**

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Sound	yes
Interface	Electrical interface for traction units PluX22
Head light	Two direction dependent tail lights and dual headlights.
LED head light	yes

**Measurements**

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Length over buffer	224 mm
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