

Electric locomotive class 230, DR



DR

Epoch: IV

14+



Art. No.: 71219



€239,90

Electric locomotive class 230 of the Deutsche Reichsbahn.

Completely new design!

- Version as a series locomotive of the class 230
- Finely detailed model with many separately applied plug-in parts
- Completely newly-developed current collectors with innovative attachment
- Elaborate roof area design as well as the ventilator slats allowing an unobstructed view
- Delicate design of the bogies as well as the spoked wheels
- With rail guards and air tanks in closed form for realistic presentation in display cabinets
- Rear signal can be switched using a DIP switch

In the 1980s, the DR purchased electric dual-mode locomotives to improve operating procedures in the steadily growing cross-border traffic between the GDR and Czechoslovakia. Due to the lack of experience in the field of dual voltage technology (GDR: AC voltage 15 kV/16 $\frac{2}{3}$ Hz, ČSSR: DC voltage 3 kV) and full capacity production at the electric locomotive manufacturer LEW in Hennigsdorf, the machines were built based on the ČSD series ES 499.1 and 499.2. However, the locomotive factory Škoda had not built a locomotive for the AC system 15 kV/16 $\frac{2}{3}$ Hz before, so the parts of the AC equipment were supplied from the GDR. Due to the demand of the ČSD, this resulted in a double order for Škoda with 15 locomotives class 372 and 20 locomotives class 230 for the DR.

Specifications:

General data

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

Electrical

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Interface	Electrical interface for traction units PluX22
Head light	3 headlight, dependent on the direction of travel/2 tail lights, dependent on the direction of travel
LED head light	yes
Additional light function	yes

Measurements

Length over buffer	193 mm
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