



PIKO vehicle information  
booklet 6/2019

**PIKO**

## The ICE 4

The new flagship  
of the DB AG in the  
exact scale 1:87



Also available as sound versions  
for direct and alternating current

# Electric multiple unit Class 412 / 812, ICE 4



Picture: M. Fröhlich

In 2011, the Deutsche Bahn AG assigned Siemens Mobility with the construction of up to 300 new high-speed trains for use in Germany, Austria and Switzerland. The new Class 412/812 trains, which are being jointly developed by Siemens and Bombardier, will be powered by several power cars. The train configuration provides for various modular units ranging from five-car to 14-car trains. This concept allows the train to be easily adapted to the individual requirements of the transport companies for the desired acceleration, speed and number of seats.

To date, the DB has ordered 85 twelve-car and 45 seven-car multiple units in the basic configuration, consisting of tractionless end and control cars, powered seating cars and on-board bistro as well as non-driven seating, dining and service cars.

The seven-car multiple unit train has three powered cars and offers 456 seats over a length of 200 meters. A twelve-car multiple unit has six powered cars and 830 seats over a length of 346 metres. The maximum speed is 250 km/h. The external shape was based on the existing ICE fleet and further developed. Since December 2017, the first 12-car trains have been in regular service on the Hamburg-Würzburg, Stuttgart-Munich and Hamburg-Berlin-Munich lines.

# PIKO Electric multiple unit Class 412 / 812, ICE 4



**51400** 4pcs. Electric multiple unit ICE 4 DB AG VI

**51401**  4pcs. Electric multiple unit ICE 4 DB AG VI

**51402** 4pcs. Electric multiple unit ICE 4 DB AG VI w. sound

**51403**  4pcs. Electric multiple unit ICE 4 DB AG VI w. sound

For all ICE 4:



For all AC ICE 4:



For all ICE 4 sound versions:



**Matching accessories:**

# 56410 PIKO SmartDecoder 4.1 PIN20

# 56429 PIKO Soundmodule with loudspeaker for Class 412 ICE 4

The true-to-scale ICE 4 from DB AG is the model railway highlight of the year by PIKO!

The model impresses with its very fine paintwork and printing, detachable front caps for coupling two multiple units, realistically different versions of the cars, current collection from all wheels of the end cars, current-carrying clutches and a direction-dependent light change white/red. The power consumption for currentless sections is controlled without braking mechanics from the leading end car, so that the train can come to a halt exactly before the signals pointing in the direction of the stop, despite the motor car being driven.

The elaborate model also features two powerful motors with flywheels, driver's cab lighting, an interface for the specially developed PIKO SmartDecoder 4.1 PIN20 for the ICE 4 and is prepared for installation of interior lighting that accentuates the detailed interior design. The motor vehicle in the basic set already has an interior lighting ex works, which can be activated via contacts. The uncomplicated retrofitting with the special sound module #56429 and loudspeaker is prepared on the tidy circuit board. The AC model has an mfx-capable decoder ex works. Due to the consistent scale implementation, the multiple-unit train can only be used from radius 2!



- Completely new construction in exact scale 1:87
- First realization of the ICE 4 as H0 model
- Removable front caps for coupling two multiple units
- AC versions with specially mfx-capable PIN20 decoder
- Sound versions equipped with complete interior lighting ex works
- Two powerful motors with flywheel masses

## INFO

The sound versions of the class 412 electric multiple-unit from the DB AG (#51402/#51403) are based on the design of the trains without sound. Like the analog model, they offer numerous separately mounted parts, many technical highlights and excellent driving characteristics, even with multiple cars.

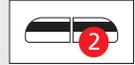
The sound models of the PIKO ICE 4 are factory equipped with an innovative PIKO SmartDecoder 4.1 PIN20 as well as the matching sound module. The new PIN20 decoder was especially developed for the PIKO ICE 4 in order to optimally call up all functions and meet all requirements of the true-to-scale high-speed train.

In addition to these special features for the control of the ICE 4, the PIN20 decoder also has all the other standards of our PIKO SmartDecoder 4.1, such as the easy login to suitable control panels via RailComPlus®, such as our PIKO SmartBox or mfx-capable control devices. In addition, new individual settings in mapping and sound experiences at the highest level are now possible thanks to an amplified output power of 2.5 watts.

The built-in loudspeaker is specially designed for the models and enables a powerful and realistic reproduction of the 12bit sound recorded on the original. Many typical locomotive noises such as engine noise, signal horns, brake squeal and other switchable functions can be called up individually.

As a special highlight, the sound versions are equipped with complete interior lighting ex works.

# Matching accessories for the PIKO multiple unit ICE 4



58590 2pcs. set Supplementary cars Class ICE 4 TW2 2. cl. & RW restaurant car DB AG VI

58591  2pcs. set Supplementary cars Class ICE 4 TW2 2. cl. & RW restaurant car DB AG VI

For all Cars:



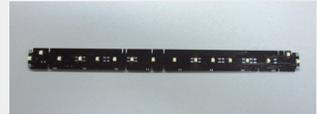
58592 Supplementary car Class ICE 4 MW 2HP DB AG VI

58593  Supplementary car Class ICE 4 MW 2HP DB AG VI

56288 LED lighting ICE 4 end car

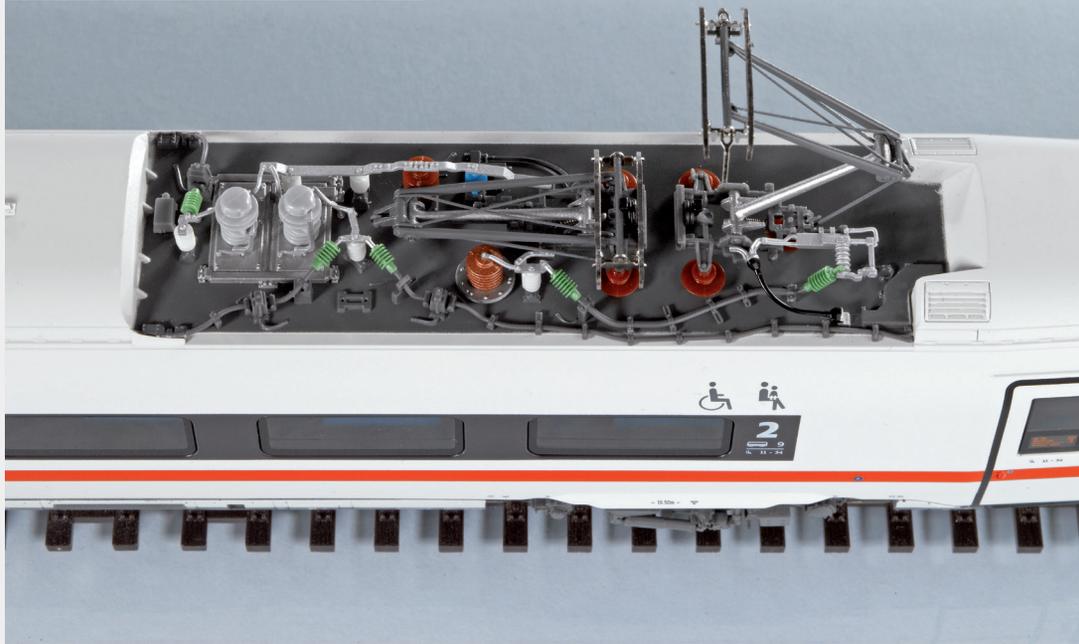
56289 LED lighting ICE 4 restaurant car

56290 LED lighting ICE 4 middle car



# PIKO Electric multiple unit Class 412 / 812, ICE 4

## Delicate roof design



## Removable front caps



## Flawless printing



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