

Märklin digital

Converting a locomotive
to digital operation

Märklin 3089

DB Baureihe 03

DB Class 03

DB type 03



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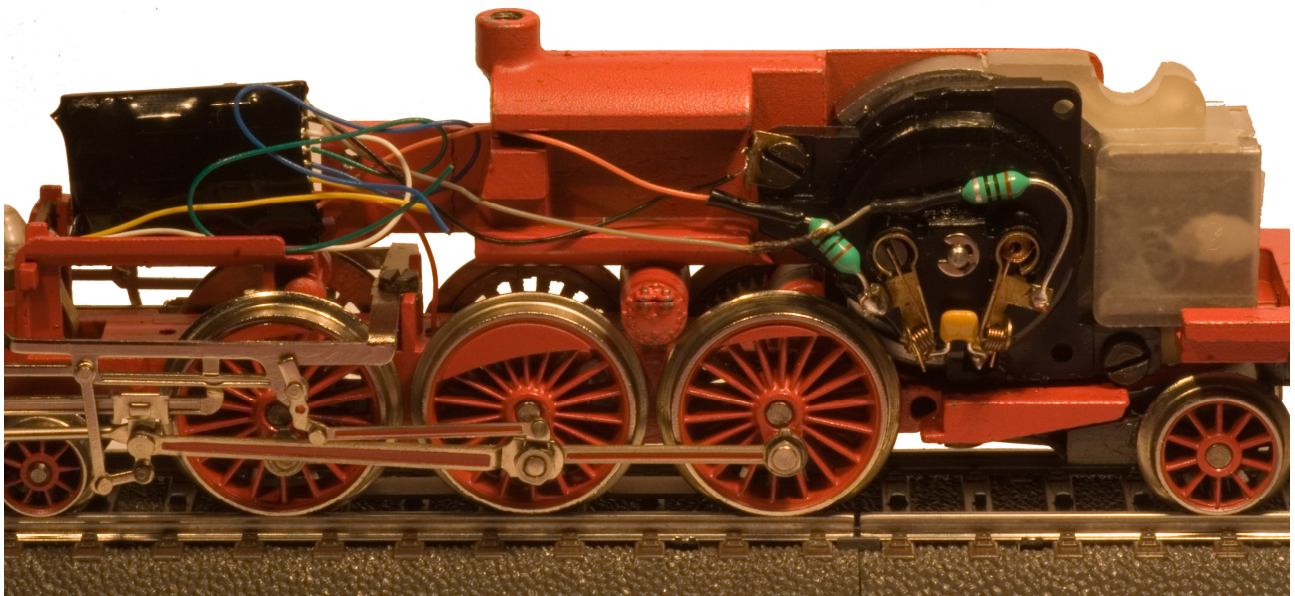
It is easy to convert locomotives prepared for digital conversion with a NEM or DCC connector. You remove the original direction switch and replace it with a decoder.

It is not quite so easy regarding locomotives that are not prepared for digital conversion. If you want to operate elder locomotives from the manufacturers Märklin, Roco, Mehano, Lima etc. on your digital layout, you need to find your solder iron. Don't make this stop you from converting analogue locomotives to digital operation if you wish to continue to operate your elder locomotives.

In addition to the locomotive, locomotive decoder, condensers 100 nF and noise suppression chokes 10 μ H you need a solder iron.

Märklin 3089 DB class 03 converted with ESU LokPilot

The Märklin classic 3003 is converted to digital operation and equipped with an ESU LokPilot V2.0 decoder. The decoder replaces the original direction switch demanding the the field armature to be replaced with a HAMO DC field armature ESU catalogue no. 51960. The locomotive can hereafter be operated on layouts like this analogue layouts, Märklin Delta, Märklin Digital (Motorola) and Märklin Systems (mfx).



Lubricate the model e.g. with Super Lube - with Teflon® and check the pick-up shoe (catalog no. 7185), adhering tires and the brushes.