Experience technics.
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Give your imagination free rein. You can create your own world easily with Märklin Start up – a world of model trains rich in variety in which everything runs exactly as you want it. You can share this fun with your extra family. Everyone can join in and play along – starting with the designing of the layout on up to actual operation of the trains. Everything fits, everything stays where it belongs, and everything works. Very simple.

H0. The Standard of Standards
Märklin set standards right from the start. Such as in 1935 with H0/uni Scale. The scale of 1:87 is currently the most widely used scale in model railroading. This means that you can create at any time from an immense selection of accessories and possibilities for expansion. Regardless of whether you are just getting started or already belong to the ranks of Märklin veterans.

Digital or Analog? It’s up to you
Märklin layouts have always been simple and easy to control. Whether traditional analog or increasingly digital as in the last decades. Today every locomotive has a built-in decoder. This means you can control several trains at the same time as well as use other functions such as lights and sound.

Limitless Fun Playing
Many Great Careers Have Started Small
Just as in the past, it belongs or every wish list, the electric model train. Creatively and intuitively it is not expensive in actual space as with electronic media, they develop in concrete real life. What personnel advisors must provide for management in expensive seminars, a model train creates playfully in the best sense of the word: It cultivates social competence and makes intersections and their interplay visible. Playing together overcomes hierarchies and age limits. It also promotes communication. With so much profound reasoning, there is still one clue that this potential is contained in the smallest Märklin starter set: a lot of fun. Model railroading really comes alive with the starter sets from Märklin Start up. They are made for all fans of model railroading who simply want to play spontaneously with their Märklin railroad. The affordable models included in the starter sets feature a largely prototypical representation of all important details. Delicate components have been left off for purpose and this contributes to the sturdiness of the models. In addition, the assortment offers many possibilities for expansion so that you can simply get started and above all have fun!
Safe, sure grip and simple function operation for control of trains thanks to the Märklin Power Control Stick.

Freedom of movement around the layout with the wireless infrared controller.

Train painted and lettered for CLAAS to go with the theme of farming.

Tractor and other various farm machines included – model vehicles for additional play value.

"Farming Train" Starter Set. 230 Volts.

Prototype: Fictitious CLAAS Henschel design class DHG 700 diesel switch engine and two low side cars painted and lettered for CLAAS. Low side cars loaded with different types of farm vehicles and animals.

Märklin locomotives have an on/off digital decoder. 1 axle powered. Tractive torque. The train is high-visibility orange with the direction of travel, will work in conventional operation, and can be controlled digitally. There is a limiting light on the air-cooled locomotive. The locomotive controls can be controlled with the Märklin Power Control Stick. The locomotive has two main power outputs. The four axle and two axle low side cars are equipped with different farm machines (2 each mower and 1 each plant).

All of the various farm couplers. A CLAAS tractor and a mower trailer can be included with the set as additional accessories. The different farm couplers can be hooked up to the tractor. Train length 11.5 cm / 4-1/2".

Contents: 12 no. 24130 curved track, 4 no. 24188 straight track, 1 base station, 7 no. 24172 straight track, 2 no. 24224 curved track, 1 no. 24611 left turnout, and 1 no. 24612 right turnout. A switched mode power pack and an easy-to-use wireless infrared controller, the Märklin Power Control Stick, are included. 2 each AAA batteries are recommended. This set can be expanded with the entire C Track program. The 74492 electric turnout mechanism can be installed in the turnouts.

Produced under license from CLAAS Service and Parts, Inc.

Farming Theme World

See Page 63 for explanations of the symbols.

Products painted and lettered for CLAAS go with the theme of farming.

A variety of play options revolving around the theme of farming.

29652 "Farming Train" Starter Set. 230 Volts. Premium Farmer CLAAS starter design class DHG 700 diesel switch engine and two low side cars painted and lettered for CLAAS. Low side cars loaded with different types of farm vehicles and animals.

Märklin locomotives have an on/off digital decoder. 1 axle powered. Tractive torque. The train is high-visibility orange with the direction of travel, will work in conventional operation, and can be controlled digitally. There is a limiting light on the air-cooled locomotive. The locomotive controls can be controlled with the Märklin Power Control Stick. The locomotive has two main power outputs. The four axle and two axle low side cars are equipped with different farm machines (2 each mower and 1 each plant).

All of the various farm couplers. A CLAAS tractor and a mower trailer can be included with the set as additional accessories. The different farm couplers can be hooked up to the tractor. Train length 11.5 cm / 4-1/2".

Contents: 12 no. 24130 curved track, 4 no. 24188 straight track, 1 base station, 7 no. 24172 straight track, 2 no. 24224 curved track, 1 no. 24611 left turnout, and 1 no. 24612 right turnout. A switched mode power pack and an easy-to-use wireless infrared controller, the Märklin Power Control Stick, are included. 2 each AAA batteries are recommended. This set can be expanded with the entire C Track program. The 74492 electric turnout mechanism can be installed in the turnouts.

Produced under license from CLAAS Service and Parts, Inc.

Farming Theme World

See Page 63 for explanations of the symbols.
Starter Sets

29730 “Building Block Train” Starter Set with Sound and Light Building Blocks. 230 Volts

Prototype: 29730

Model: The Building Block Train consists of a steam locomotive, a four-axle gondola, and a four-axle tank car. The bodies for the locomotive and cars can be built from building blocks. This set is for children, from age 4, and is suitable for children from age 8.

Features:
- The locomotive and cars have Relex couplers. Train length 45 cm / 17-3/4”.
- The frame for the steam locomotive has an mfx digital decoder. The locomotive can be controlled with different lights, blinking, lighting in heartbeat rhythm, or lighting with an associated stand-by mode.
- The peg plates for the locomotive and cars as well as the building blocks are compatible with other makes of building blocks. A USB charging cable and assembly instructions are included.
- The kit for the locomotive includes light building blocks, which light up individual details on the locomotive. The building blocks are compatible with other makes of building blocks. They light up individual details on the locomotive. The building blocks are compatible with other makes of building blocks. They light up individual details on the locomotive. The building blocks are compatible with other makes of building blocks. They light up individual details on the locomotive. The building blocks are compatible with other makes of building blocks.
- The car has Relex couplers. Length over the buffers 16 cm / 6-5/16”.

Contents:
- 2 x 12 x 24130 curved track
- 7 x 24172 straight track
- 4 x 24188 straight track
- 1 base station
- 1 switched mode power control block
- 1 wireless easy-to-use infrared controller, the Märklin Power Control Stick
- 2 each AAA batteries
- 1 locomotive and cars
- 1 mobile power unit
- 6 light functions: permanent light, blinking, lighting in the rhythm of a heartbeat, or lighting with an associated stand-by mode.
- The peg plates for the locomotive and cars as well as the building blocks are compatible with other makes of building blocks. A USB charging cable and assembly instructions are included.

HIGHLIGHTS
- Safe, firm grip and simple operation of the wireless infrared locomotive controller designed for children, the Märklin Power Control Stick. Simply switching over is enough and your locomotive already has different lights.
- The car and the building blocks are compatible with other makes of building blocks.

Kit for the locomotive includes light building blocks, which light up individual details.

Mobile Power Unit includes 6 light functions: permanent light, blinking, dimming on and off, sound-dependent light, lighting in the rhythm of a heartbeat, or lighting with an associated stand-by mode.

The peg plates for the locomotive and cars as well as the building blocks are compatible with other makes of building blocks.

Safe, firm grip and simple operation of functions for controlling the train thanks to the Märklin Power Control Stick.

On the car and the building blocks are compatible with other makes of building blocks.
Building Block Car

Model: This is a two-axis car as a building block car with the car body of a mail car. The car is provided with common pegs that invite building with building blocks. A kit for a real car is included with this product for the construction of the car body. This is a product of the brand LIGHT STAX and should not be confused with products of other manufacturers. The kit contains the blocks for the car body, the Mobile Power Unit, the building instructions for the car body, and stickers for fictitious car lettering. Light building blocks are included with the building blocks and allow for light functions on the car. The Mobile Power Unit has 4 light functions: permanent lighting, blinking, turning up and turning down lighting or lighting that varies with sound (such as to the rhythm of your favorite music). All of the functions can be used in continuous operation or can be ended automatically after 15 minutes (“Good Night” function).

Building block car with light building blocks that light up individual details on the car. The car has Relex couplers. Length over the buffers 16 cm / 6-5/16”. DC wheel set E700580. Other products for this theme can be found under item numbers 44734 and 44736.

Clip-On Block Car

Model: This is a four-axis car with Relex couplers. The car body has commonly used knobs that invite building with clip-on blocks. Length over the buffers 16 cm / 6-5/16”. DC wheel set E700580. Other products for this theme can be found under item numbers 44734 and 44736.

Building Block Car Set

Model: This is a kit for the construction of a four-axis car as a building block car with light building blocks that light up individual details on the car. The car is provided with common pegs that invite building with building blocks. The kit contains the familiar pegs that invite you to build with building blocks. A kit for a real car is included with this product for the construction of the car body. This is a product of the brand LIGHT STAX and should not be confused with products of other manufacturers. The kit contains the blocks for the car body, the Mobile Power Unit, the building instructions for the car body, and stickers for fictitious car lettering. Light building blocks are included with the building blocks and allow for light functions on the car. The Mobile Power Unit has 4 light functions: permanent lighting, blinking, turning up and turning down lighting or lighting that varies with sound (such as to the rhythm of your favorite music). All of the functions can be used in continuous operation or can be ended automatically after 15 minutes (“Good Night” function).

Building block car with 3 building sets for different car bodies. The sets include building blocks, building instructions, and stickers.

Other products for this theme can be found under item numbers 44734 and 44736.

Mobile Power Unit

This car is compatible with the blocks of all well-known manufacturers. The clip-on blocks are used as an ideal starting point for playing and building.

Clip-On Block Car

Model: This is a four-axis car with Relex couplers. The car body has commonly used knobs that invite building with clip-on blocks. Length over the buffers 16 cm / 6-5/16”. DC wheel set E700580.

Other products for this theme can be found under item numbers 44734 and 44736.

Building Block Car

Model: This is a four-axis car as a building block car with the car body of a mail car. The car is provided with common pegs that invite building with building blocks. A kit for a real car is included with this product for the construction of the car body. This is a product of the brand LIGHT STAX and should not be confused with products of other manufacturers. The kit contains the blocks for the car body, the Mobile Power Unit, the building instructions for the car body, and stickers for fictitious car lettering. Light building blocks are included with the building blocks and allow for light functions on the car. The Mobile Power Unit has 4 light functions: permanent lighting, blinking, turning up and turning down lighting or lighting that varies with sound (such as to the rhythm of your favorite music). All of the functions can be used in continuous operation or can be ended automatically after 15 minutes (“Good Night” function).

Building block car with light building blocks that light up individual details on the car. The car and the building blocks are compatible with building blocks of other manufacturers.
Jim Button and Luke the engin driver

The Make-Believe Giant Mr. Tur Tur

It’s not fear, when Mr. Tur Tur appears from afar. For a make-believe giant can be seen very, very soon.

From Mandala, the journey goes into the desert and in addition to sand and heat, you meet up with Mr. Tur Tur. A friendly fellow, who looks as big as a giant in the distance but who becomes smaller and smaller the closer you get to him.

44815 Gondola Set “King Alfons, Mrs. Waas, and Mr. Ärmel”

To All Lummer Land People

Since Jim and Lukas continued with the locomotive Emma from the Isle of Lummer Land, the three remaining Isle residents are waiting for their return. When the mail boat brings the first letter from the three adventurers, this fantastic journey also begins for King Alfons, Mrs. Waas, and Mr. Ärmel.

After Jim, Lukas, and Emma left Lummer Land in the night, nothing on the Isle has been the same. For Jim, Lukas, and Emma decided in Mandala without further ado to look for Princess Li Si in the distant Dragon City.

44816 Gondola Set “Ping Pong, Princess Li Si, and Mr. Tur Tur”

The Make-Believe Giant Mr. Tur Tur

It’s not fear, when Mr. Tur Tur appears from afar. For a make-believe giant can be seen very, very soon.

From Mandala, the journey goes into the desert and in addition to sand and heat, you meet up with Mr. Tur Tur. A friendly fellow, who looks as big as a giant in the distance but who becomes smaller and smaller the closer you get to him.

Highlights:

- All the cars include image imprinting that goes with the movie.
- One each cutout sheet of the 3 movie characters.

Model: Couple the three gondolas with the movie characters King Alfons, Mrs. Waas, and Mr. Ärmel and take them along on your journey. All three cars have individual image imprinting and each has an additional cutout sheet.

Highlights:

- All the cars include image imprinting that goes with the movie.
- One each cutout sheet of the 3 movie characters.

Model: Couple the three gondolas with the movie characters Ping Pong, Princess Li Si, and Mr. Tur Tur and take them along on your journey. All three cars have individual image imprinting and each has an additional cutout sheet.

Highlights:

- All the cars include image imprinting that goes with the movie.
- One each cutout sheet of the 3 movie characters.

Jim Button and Luke the engin driver

Highlights:

- Toy locomotive just right for children and in a handy size.
- Removable roof.
- Light and sound included.
- Jim Button, Lukas, and little Molly as play figures.
- Remote control.
- Expandable C Track layout.
- Toy locomotive just right for children and in a handy size.
Off to the Dragon City!

Once more Jim and Lukas have to prove their bravery and reach the Land of the Thousand Volcanos. Here the adventure Dragon City awaits you.

Go with Jim, Lukas, and Emma on their action-packed journey to Mrs. Mahlzahn and free Princess Li Si.

The journey goes on and Nepomuk’s help, Brina becomes disguised as a scary dragon. This is how you get through the gloomy streets unnoticed with Jim, Lukas, and Brina to Mrs. Mahlzahn.

Gondola Set “Nepomuk, Mrs. Mahlzahn, and the Wild 13”

Model: Couple the three gondolas with the movie characters Nepomuk, Mrs. Mahlzahn, and the Wild 13 to Emma and take them along on your journey. All three cars have individual image imprinting, each has an additional cutout sheet, and Nepomuk’s car has an extinguished lava insert that can be removed.

Highlights:
- All the cars include image imprinting that goes with the movie.
- One each cutout sheet of the 3 movie characters.
- Extinguished lava insert that can be removed.

Lave as a glowing load

Land of the Thousand Volcanos

In the Land of the Thousand Volcanos, it hisses and steams. It’s clear that this is the home of the dragons, for nothing loves more than hot, glowing lava.

On their way to the Dragon City, Jim and Lukas cross through the Land of the Thousand Volcanos and meet the small half-dragon Nepomuk there.

He stands there on the ground shattered and very sad because no one is afraid of him and his volcano is extinct.

“Lava Car” Gondola

Model: Start the volcano with Lukas’ help – the gondola waits hot and steaming to be transported away with fresh lava. It’s good that Emma is so strong and that she can take the glowing lava along.

Highlights:
- Lave insert as a load.
- No unnecessary turning on and off.

Jim Button and Luke the locomotive engineer

Brave Emma – Rush What You Can Rush!

Jim Button and Luke the locomotive engineer experience many adventures on their journey through the most varied worlds. It might be the dangerous run through the Valley of Twilight or freeing Princess Li Si, who is being held captive by Mrs. Mahlzahn in the Dragon City. Start on your journey and go with Jim, Emma, and Lukas on their way full of adventure.

Model: The play mat has all of the stations of the movie as a manageable image path from Start to the return to Lummer Land. The size of the play mat is 128 x 152 cm (50” x 60”).

 Highlights:
- A popular play experience.
- All kinds of setup and play for children ages 8 and up.
- The ideal add-on for the “Jim Button” play mat.
Sturdy train – made for children ages 6 and above.

Loads provide a variety of play fun around the theme of a fire department.

Easy movement around the layout with the wireless infrared controller.

Easy-to-set-up C Track layout.

Prototype:

Fictitious fire department locomotive based on a Henschel class EA 500 electric locomotive. Low side car for the transport of a fire department rotary ladder truck, a stake car with a command center, and a “fire extinguishing water” tank car painted and intended for the DB Emergency Department.

Model:

The locomotive has a digital decoder and a special motor. 1 axle powered. Traction tires. The triple headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The low side car has a metal model of a removable ladder truck. This set includes a cardboard sheet for a “command center” kit to serve as a load on the stake car. The tank car has a brakeman’s platform. All of the cars have Relex couplers.

Train length 45.5 cm / 17-15/16”.

Contents:

12 no. 24130 curved track, 4 no. 24188 straight track, 1 base station, 7 no. 24172 straight track, 2 no. 24224 curved track, and 1 no. 24612 right turnout and 1 no. 24611 left turnout. A switched mode power pack and a wireless infrared controller are included. This set can be expanded with the C Track extension sets and the entire C/uniTrack program. The 74492 electric turnout mechanism can be installed in the turnouts. The 78752 theme extension set and the 44752 car set go well with this set to expand the world of a fire department.

Digital Functions

Control Unit Mobile Station Mobile Station 2 Central Station

Headlight(s) • • • •

Direct control • • • •

Theme Area of Fire Department

“Fire Department” Starter Set. 230 Volts.

“Fire Station” Theme Extension Set

Prototype: DB Emergency Response type Rlmms four-axle low side car, loaded with 2 response vehicles.

Model: The four-axle low side car is loaded with 2 removable response vehicles. The car has Relex couplers. Length over the buffers 15.0 cm (5-7/8”).

Contents: 5 no. 24188, 4 no. 24272 straight track, 1 no. 24977 curved track, 1 no. 24972 triple headlight, and 1 no. 24971 turnout bumper. Plastic kit of a “Fire Station.”

“Fire Department Recovery Crane Car Set

Prototype: German Railroad, Inc. (DB Netz) Krupp-Ardelt design crane car, crane tender car, and equipment cars. Version as service cars for the railroad fire department / emergency response group.

Model: The crane car can be used for railbed, about 1 hour or more can be spent without break. The crane tender car is used to carry tools on the crane car. The crane tender car is equipped with the digital decoder and power plugs for the factory-installed controllable sound functions. All of the cars have Relex couplers. Total length over the buffers 32.2 cm / 12-15/16”.

Realistic fire department sounds: German siren, alarm sounds, alarm response radio messages, and operating sounds.

A wide variety of play possibilities revolving around the theme of a fire department.
29184 “Construction Site” Starter Set. 230 Volts
Prototype: Henschel class DHG 500 industrial diesel locomotive. One type Kbs freight car, one low side car, and a boxcar painted and lettered for a construction train.
Model: The locomotive has a digital decoder and a special motor. 1 axle powered. Traction tires. The locomotive has triple headlights that change with the direction of travel, will work in conventional operation, and can be controlled digitally. There is a blinking light on the cab roof. There are exchangeable track sections, so a set can be expanded. The double turnouts can be expanded by adding a switch module.
Train length 49.9 cm / 19-5/8”.
Contents: 12 no. 24130 curved track, 4 no. 24188 straight track, 1 base station, 7 no. 24172 straight track, 2 no. 24224 curved track, 1 no. 24612 right turnout and 1 no. 24611 left turnout. A switched mode power pack and a wireless infrared controller are included.
This set can be expanded with the C Track extension sets and with the entire C Track program. The 74492 turnout mechanism can be installed in the turnouts.
The 78184 theme extension set and the 44083 freight car set are ideal as an expansion of the theme world of a construction site.

44083 “Construction Site” Freight Car Set
Prototype: Slate car, “Tar” tank car, and a boxcar painted and lettered for a construction train.
Model: The slate car has permanently mounted stakes, the “Tar” tank car has a brakeman’s platform, and the boxcar has an exchangeable ballast set. All of the cars have digital functions. The slate car has operating sounds, the “Tar” tank car has realistic construction site sounds, and the boxcar has controllable sound functions. All of the cars have MFX decoders. All cars have Relex couplers. Total length over the buffers 34.5 cm / 13-9/16”.
This set goes with the 38185 “Construction Site” starter set. This theme world can be expanded further with the 7402 theme extension sets.

The 7402 theme extension sets are ideal as an expansion of the theme world of a construction site.

Sturdy models – every suitable for children ages 6 and above.
Realistic construction site sounds: background sound of a large construction site, compressed air jack hammer, a truck unloading, and the operating sounds of a power shovel.
A wide variety of play possibilities around the theme of a construction site.

HIGHLIGHTS
- Sturdy construction train - ideal for children ages 6 and older.
- Digital locomotive with a controllable blinking light and triple headlights.
- Loads provide a variety of ways to play around the theme of construction.
- Freedom of movement around the layout with the wireless IR controller.
- C Track layout that is easy to set up.

Sturdy models – very suitable for children ages 6 and above.
Realistic construction site sounds: background sound of a large construction site, compressed air jack hammer, a truck unloading, and the operating sounds of a power shovel.
A wide variety of play possibilities around the theme of a construction site.

HIGHLIGHTS
- Sturdy models - ideal for children ages 6 and above.
- Track for expanding C Track layout.
- A variety of ways to play provided by the construction vehicles and the freight load.

Digital Functions

<table>
<thead>
<tr>
<th>Control Unit</th>
<th>Mobile Station</th>
<th>Mobile Station 2</th>
<th>Central Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surrounding sounds</td>
<td>• • • •</td>
<td>Operating Sounds 1</td>
<td>• • • •</td>
</tr>
<tr>
<td>• • • •</td>
<td>Operating Sounds 2</td>
<td>• • • •</td>
<td>• • • •</td>
</tr>
<tr>
<td>• • • •</td>
<td>Operating Sounds 3</td>
<td>• • • •</td>
<td>• • • •</td>
</tr>
</tbody>
</table>

Digital Functions

<table>
<thead>
<tr>
<th>Control Unit</th>
<th>Mobile Station</th>
<th>Mobile Station 2</th>
<th>Central Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headlight(s)</td>
<td>• • • •</td>
<td>Flashing Warning Light</td>
<td>• • • •</td>
</tr>
<tr>
<td>• • • •</td>
<td>Direct control</td>
<td>• • • •</td>
<td>• • • •</td>
</tr>
</tbody>
</table>

Extension sets can be combined with the 44083 “Construction Site” starter set. This theme world can be expanded even further with the 7402 theme extension sets.

Theme Area of Construction Sites

Digital Functions
原型: 职工类 DHG 700 / 虚拟柴油转位发动机和 3 个集装箱 / 为德国铁路公司 (DB AG) 加载了不同类型的集装箱。模型: 这个模型有一个 mfx 数字解码器和预安装的声功能，可以通过数字控制。1 轴驱动。牵引轮胎。三个方向的前灯。能正常工作，也可以用数字控制。车顶有一个闪烁灯。这个机车有车钩。3 个集装箱车厢都装有不同类型的集装箱 (20 英尺集装箱、40 英尺集装箱和 20 英尺液体箱)。所有的车厢都有 Relex 车钩。所有的车厢都可以从车头上拆下。每个车厢有 3 个方向的前灯。这个车厢可以有单独的控制。全车长 59.2 厘米/23-5/16 英寸。内容: 12 个 24130 弯曲轨道，4 个 24188 直线轨道，1 个基座，7 个 24172 直线轨道，2 个 24224 直线轨道，1 个 24611 左侧弯道，1 个 24612 右侧弯道。一个开关模式电源包和一个红外控制器被包含。这个套装可以用 C 轨道扩展和 C 轨道项目。74492 电动弯道机可以在弯道上安装。

44452 “集装箱物流”主题扩展套装

原型: 德国铁路公司 (DB AG) 集装箱运输车厢带端墙，装载了两个 20 英尺液体箱。模型: 这个车厢装有 2 个 20 英尺液体箱。另外还有 3 个其他车厢和物流车辆被包含到这个套装中。总长 16 厘米/6-5/16 英寸。内容: 5 个 24188 直线轨道，4 个 24172 直线轨道，1 个 24224 弯曲轨道，1 个 24612 右侧弯道，和 1 个 24977 轨道缓冲器。

44700 集装箱车

原型: Kripp-Ardelt 起重机车厢、起重机车和一个集装箱运输车厢带端墙，现代的涂装和标识。模型: 起重机车厢有一个可以旋转的结构，一个可移动的臂和一个手起重机。起重机车厢有一个臂支撑。运输车厢用一个 40 英尺的集装箱装有。集装箱可以被拆下并且可以被打开。所有的车厢都有 Relex 车钩。总长 35.8 厘米/14-1/8 英寸。内容: DC 车轮 E700580。
HIGHLIGHTS

29173 “My Start with Märklin” Starter Set, 230 Volts
Prototype: TCS 3 traction engine, type Kklm 505 low side car for transport of a bulldozer, and a dump car.
Model: The tank locomotive has a digital decoder and a special action - a switchable traction motor. The dual headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The locomotive has an additional headlight for reverse gear, and can be controlled digitally. The locomotive has coupler hooks. This set has 1 low side car with a load and 1 dump car, each with Relex couplers.
Train length: 34.0 cm /13-3/8”.
Contents: 12 no. 24130 curved track, 2 no. 24172 straight track, 1 no. 24188 straight track, 1 base station, 1 switched mode power pack, and a wireless infrared controller.

Digital Functions

- Control
- Mobile Station
- Mobile Station 2
- Central Station
- Headlight(s) • • • •
- Direct control • • • •
- Frequent switching
- Easy to set up
- C Track layout
- Wireless IR controller
- Control of up to 4 trains.
- Freedom of movement with the wireless IR controller.
- Easy-to-set-up C Track layout.

29223 “Freight Train” Starter Set, 230 Volts
Prototype: German Federal Railroad (DB) class 89.0 tank locomotive, a type X-05 low side car, a boxcar, and an “Aral” tank car.
Model: The locomotive has an mfx digital decoder and a special motor, an axle powered traction motor. The triple headlights change over with the direction of travel, will work in conventional operation and can be controlled digitally. The locomotive has coupler hooks. The low side car, boxcar, and tank each have Märklin coupler.
Train length: 45.7 cm /18”.
Contents: 12 no. 24130 curved track, 2 no. 24172 straight track, 1 no. 24188 straight track, 1 base station, 1 switched mode power pack, and a wireless infrared controller.

Digital Functions

- Control
- Mobile Station
- Mobile Station 2
- Central Station
- Headlight(s) • • • •
- Direct control • • • •
- Frequent switching
- Easy to set up
- C Track layout
- Wireless IR controller
- Control of up to 4 trains.
- Freedom of movement with the wireless IR controller.
- Easy-to-set-up C Track layout.
Starter Set

“Modern Commuter Service” Starter Set, 230 Volts
Prototype: German Railroad, Inc. (DB AG) class 640 (LINT 27)
Completely new train set for the LINT 27.
Powered rail car with built-in mfx decoder and sound functions.
The ideal way to get started for new people to modelrailroading, including adults.
Easy-to-set-up C Track layout.

Contents:
- 12 no. 24130 curved track
- 4 no. 24188 straight track
- 1 base station
- 7 no. 24172 straight track
- 2 no. 24224 curved track
- 1 pair of 24611 and 24612 turnouts
- A switched mode power pack and a wireless infrared controller
- The 74492 electric turnout mechanism can be installed in the turnouts.

Digital Functions

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See Page 63 for explanations of the symbols.

ICE 2 High-Speed Train
Prototype: German Railroad, Inc. (DB AG) class 402 InterCity Express
Completely new tooling for the LINT 27.
Powered rail car with built-in mfx decoder and sound functions.
The ideal way to get started for new people to modelrailroading, including adults.
Easy-to-set-up C Track layout.

Digital Functions

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See Page 63 for explanations of the symbols.

ICE 2 High-Speed Train
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See Page 63 for explanations of the symbols.
**Steam Locomotives**

### Class T 12 Tank Locomotive
- **Prototype:** German Federal Railroad (DB) class 74 tank locomotive.
- **Model:** The locomotive has a digital decoder and a special can motor with a flywheel. 3 axles powered. Traction tires. The locomotive has many separately applied details.
  - Length over the buffers 12.7 cm / 5”.

#### Digital Functions

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</table>

- **Built-in digital decoder.**
- **Detailed, affordable beginner’s model.**

### Class T 12 Tank Locomotive
- **Prototype:** Royal Prussian State Railways (K.P.E.V.) class T 12.
- **Model:** The locomotive has a digital decoder and a special can motor with a flywheel. 3 axles powered. Traction tires. The dual headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The locomotive has many separately applied details.
  - Length over the buffers 12.7 cm / 5”.

#### Digital Functions

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</table>

- **Built-in digital decoder.**
- **Detailed, affordable beginner’s model.**

### Class 89 Tank Locomotive
- **Prototype:** German Federal Railroad (DB) class 89.0.
- **Model:** The locomotive comes with a digital decoder. 3/4 axles powered. Traction tires. The coupler hooks can be replaced by other couplers. The triple headlights will work in conventional operation and can be controlled digitally.
  - Length over the buffers 11 cm / 4-5/16”.

#### Digital Functions

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- **Built-in digital decoder.**
- **Detailed, affordable beginner’s model.**

### Class 81 Tank Locomotive
- **Prototype:** German Federal Railroad (DB) class 81 heavy switch engine.
- **Model:** The locomotive has a digital decoder. 4 axles powered. Traction tires. The locomotive has Relex couplers in NEM pockets. The triple headlights change over with the direction of travel, and can be controlled digitally. The locomotive has many separately applied details.
  - Length over the buffers 12.8 cm / 5”.

#### Digital Functions

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</table>

- **Built-in digital decoder.**
- **Detailed, affordable beginner’s model.**

### Tank Locomotive
- **Prototype:** Wet steam locomotive based on a provincial railroad design.
- **Model:** The locomotive comes with a digital decoder. 1 axle powered. Traction tire. The locomotive has coupler hooks.
  - Length over the buffers 10.8 cm / 4-1/4”.

#### Digital Functions

<table>
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- **Built-in digital decoder.**
- **Acceleration and braking delay can be controlled digitally.**

### Class 99 Tank Locomotive
- **Prototype:** German Federal Railroad (DB) class 99.
- **Model:** The locomotive comes with a digital decoder. 3 axles powered. Traction tires. The locomotive has triple headlights that change with the direction of travel, will work in conventional operation, and can be controlled digitally.
  - Length over the buffers 11 cm / 4-5/16”.

#### Digital Functions

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Henschel DHG 700 Diesel Locomotive

Prototype: Henschel type DHG 700 diesel switch engine.

Model: The locomotive has a digital decoder and a special motor. 1 axle powered. Tractive tires. The triple headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The locomotive has a blinking light on the roof of the engineer’s cab. It also has coupler hooks.

Length over the buffers 11.2 cm / 4-3/8”.

Digital Functions

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Henschel DHG 500 Diesel Locomotive

Prototype: Henschel type DHG 500 diesel switch engine.

Model: The locomotive has a digital decoder and a special motor. 1 axle powered. Tractive tires. The triple headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The locomotive has a blinking light on the roof of the engineer’s cab. It also has coupler hooks.

Length over the buffers 11.2 cm / 4-3/8”.

Digital Functions

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Diesel Locomotives

Class 216 Diesel Locomotive

Prototype: German Railroad, Inc. (DB AG) class 216 diesel locomotive. Version in “Traffic Red” paint scheme.

Model: The locomotive has an mfx digital decoder and high-efficiency propulsion. 2 axles powered. Tractive tires. The triple headlights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The locomotive has close coupling. Length over the buffers 18.2 cm / 7-1/8”.

Digital Functions

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See Page 63 for explanations of the symbols.

**Passenger Cars**

4107 Passenger Car
Model: Relex couplers.
Length over the buffers 11 cm / 4.3/8”.
DC wheel set 0750608.

4108 Baggage Car
Model: Relex couplers.
Length over the buffers 11 cm / 4.3/8”.
DC wheel set 0750608.

**Freight Cars**

4132 Gondola
Prototype: German Federal Railroad (DB) type El-u 061.
Model: Relex couplers.
Length over the buffers 11.5 cm / 4-1/2”.
DC wheel set 0750580.

4133 Gondola
Prototype: German Federal Railroad (DB) type El-u 061.
Model: Relex couplers.
Length over the buffers 11.5 cm / 4-1/2”.
DC wheel set 0750580.

4459 Stake Car
Prototype: German Federal Railroad (DB) type Kbs.
Model: Fixed stakes.
Length over the buffers 11.5 cm / 4-1/2”.
DC wheel set 0750580.

4461 Talbot Ballast Car
Prototype: German Railroad, Inc. (DB AG) type Talbot/uni00A0 ballast car.
Model: Unloading hatches can be opened with hand/uni00A0levers.
Length over the buffers 9.5 cm / 3-3/4”.
DC wheel set 0750500.

**Gondola**

Prototype: German Federal Railroad (DB) type El-u 061.
Model: Relex couplers.
Length over the buffers 11.5 cm / 4-1/2”.
DC wheel set 0750580.

Prototype: German Federal Railroad (DB) type El-u 061.
Model: The car comes with a removable insert as a coal load.
Relex couplers.
Length over the buffers 11.5 cm / 4-1/2”.
DC wheel set 0750580.

**Baggage Car**

Model: Relex couplers.
Length over the buffers 11 cm / 4.3/8”.
DC wheel set 0750608.

**Stake Car**

Prototype: German Federal Railroad (DB) type Kbs.
Model: Fixed stakes.
Length over the buffers 11.5 cm / 4-1/2”.
DC wheel set 0750580.

Prototype: German Railroad, Inc. (DB AG) type Talbot/uni00A0 ballast car.
Model: The unloading hatches can be opened with hand/uni00A0levers.
Length over the buffers 9.5 cm / 3-3/4”.
DC wheel set 0750500.
Freight Cars

**Low Side Car**
Prototype: German Federal Railroad (DB) type Kklm 505.
Model: Relex couplers.
Length over the buffers 11.5 cm / 4-1/2”.
DC wheel set 1 E700580.

**Prototypisch Typ Kklm 505.**
Modell: Relex Sockelkupplung.
Länge über die Kupplung 11,5 cm / 4-1/2”.
Elektrische Nabe 1 E700580.

**Load shown may vary.**

**Dump Car**
Prototype: German Federal Railroad (DB) type Kklm 505.
Model: Relex couplers.
Length over the buffers 11.5 cm / 4-1/2”.
DC wheel set 1 E700580.

**Prototypisch Typ Kklm 505.**
Modell: Relex Sockelkupplung.
Länge über die Kupplung 11,5 cm / 4-1/2”.
Elektrische Nabe 1 E700580.

**Petroleum Oil Tank Car**
Prototype: Car privately owned, painted and lettered for Aral, Inc.
Model: Brakeman’s platform.
Length over the buffers 11.5 cm / 4-1/2”.
DC wheel set 1 E700580.

**Prototypisch Privatbesitz.**
Modell: Brakeman’s platform.
Länge über die Kupplung 11,5 cm / 4-1/2”.
Elektrische Nabe 1 E700580.

**Load shown may vary.**

**Petroleum Oil Tank Car**
Prototype: Car privately owned, painted and lettered for OMV Deutschland GmbH.
Model: The car has a brakeman’s platform. It also has Relex couplers.
Length over the buffers 11.5 cm / 4-1/2”.
DC wheel set 1 E700580.

**Prototypisch Privatbesitz.**
Modell: Das Wagen besitzt einen Brakemannsabstieg. Es sind auch Relex Sockelkupplung.
Länge über die Kupplung 11,5 cm / 4-1/2”.
Elektrische Nabe 1 E700580.

**Load shown may vary.**
Freight Cars

4410 Boxcar
Prototype: German Federal Railroad (DB) type Gs 210
Model: Relex couplers
Length over the buffers 11.5 cm / 4-1/2”
DC wheel set 1 E700580

4411 Boxcar
Prototype: German Federal Railroad (DB) type Gs 210
Model: The car comes with a pickup shoe and a lighted marker lantern
Relex couplers
Length over the buffers 11.5 cm / 4-1/2”

4671 Low Side Car
Prototype: German Federal Railroad (DB) maintenance car
Model: This car goes well with the 4671 crane car as a boom support car. Relex couplers.
Length over the buffers 11.5 cm / 4-1/2”
DC wheel set 1 E700580

4671 Crane Car
Prototype: The most maintenance car
Model: The car has a rotating crane, adjustable from ground level. The crane can be raised and lowered with a hand crank. Relex couplers.
Length over the buffer 8.3 cm / 3-1/4”
DC wheel set 1 E700530

44600 Type Taems 890 Car with a Hinged Roof
Prototype: German Railroad (DB AG) type Taems 890 car with a hinged roof
Model: This car has a brakeman’s platform. It also has Relex couplers.
Length over the buffers 15.9 cm / 6-1/4”
DC wheel set 1 E700580

4410 Refrigerator Car
Prototype: German Federal Railroad (DB) type Gs 210
Model: The end platforms are made of metal
Relex couplers
Length over the buffer 11.5 cm / 4-1/2”
DC wheel set 1 E700580

4410 Refrigerator Car
Prototype: German Federal Railroad (DB) type Gs 210
Model: The end platforms are made of metal
Relex couplers
Length over the buffer 11.5 cm / 4-1/2”
DC wheel set 1 E700580

See Page 63 for explanations of the symbols.
**HIGHLIGHTS**

**44213 Refrigerator Car**
Prototype: Privately owned car painted and lettered for "Müller Müllermilchreis" from the dairy firm Molkerei Alois Müller GmbH & Co. KG in Fischach-Aretsried, Germany.
Model: The car has Relex couplers. Length over the buffers 11.5 cm / 4-1/2". DC wheel set 1 E700580.

**44203 Refrigerator Car**
Prototype: Privately owned car painted and lettered for "Nimm 2" from August Storck KG in Berlin, Germany.
Model: The car has Relex couplers. Length over the buffers 11.5 cm / 4-1/2". DC wheel set 1 E700580.

**44198 Refrigerator Car**
Prototype: Privately owned car. Painted and lettered in a Mars design.
Model: The end platforms are made of metal. Relex couplers. Length over the buffers 11.5 cm / 4-1/2". DC wheel set 1 E700580.

**44216 Refrigerator Car**
Prototype: Refrigerator car in a Coca-Cola® design.
Model: The car has Relex couplers. Length over the buffers 11.5 cm / 4-1/2". DC wheel set 1 E700580.

**44214 Refrigerator Car**
Prototype: Privately owned car painted and lettered for Coca-Cola Deutschland Holding GmbH, Germany.
Model: The car has Relex couplers. Length over the buffers 11.5 cm / 4-1/2". DC wheel set 1 E700580.

**Unique car design.**

See Page 63 for explanations of the symbols.
Happy Birthday Car

Prototype: Mounted on a standard Intercity model.

Model: The car features a special birthday design. It includes a high-quality beach buggy with a colorful paint scheme.

The car is equipped with a set of numbers to be mounted on the car, allowing for various configurations.

Length over the buffers 11.5 cm / 4-1/2". DC wheel set E700580.

The High Quality Model of a Beach Buggy Invites You to Play

An Ideal Present as a Birthday Gift.

Halloween Car – Glow in the Dark

Prototype: Gondola in a custom Halloween design.

Model: The car features a glow-in-the-dark design with individual imprint elements that light up in the dark.

The car is loaded and designed for loading and unloading. It includes a load of pumpkins and has Relex couplers.

Length over the buffers 11.5 cm / 4-1/2". DC wheel set E700580.

Quite Spooky

Intercity Express Train Passenger Car, 1st Class

Prototype: German Railroad, Inc. (DB AG) type Bpmz/uni00A0294.3

Model: The car is equipped with adjustable buffers and has a detailed buffer beam. It can be controlled by inserting the coupler pocket. Length over the buffers 26.4 cm / 10-3/8". DC wheel set 1 E700580.
The appealing design of the building will be an attention getter on any model railroad layout.

3D Building puzzle can be built without tools and cement.

These buildings can be used individually on a layout, or they can be put together as a row of buildings.

HIGHLIGHTS

72782 “Theater” 3D Building Puzzle
This is a multi-story theater, in 1:87 scale. The building can be assembled easily from 55 parts without using tools or cement. The assembly time is about 2.5 hours. The 3D puzzle is designed for children ages 8 and up.

72783 “Corner Building with a Bank” 3D Building Puzzle
This is a multi-story corner building with a bank on the main floor, in 1:87 scale. The building can be assembled easily from 94 parts without using tools or cement. The assembly time is about 2.5 hours. This 3D puzzle is designed for children ages 8 and up.

72784 “Residential and Commercial Buildings” 3D Building Puzzle
These are multi-story residential and commercial buildings, in 1:87 scale. The building can be assembled easily from 93 parts without using tools or cement. The assembly time is about 2.5 hours. This 3D puzzle is designed for children ages 8 and above.

Accessorizes

Fun without End

The fun you’ll have with our model trains never stops with the variety of accessories that are available. In the following, you’ll find the products you’ll need to get started building a layout: track, station platforms, signals, and decorative materials, electronic components, and above all lots of inspiration. Everything here is designed so that you’re assured of success without the need for prior knowledge.

See Page 63 for explanations of the symbols.
C Track System

C Track combines practical sturdiness, electrical safety, and prototypical appearance. It will please playful children as well as demanding model railroaders, which means success for us.

The progress in a bit more detail:

- Operationally reliable Märklin system with stud contact center conductor
- Mechanically sturdy “click” connections for fast setup and takedown
- Sturdy, finely detailed roadbed made of plastic
- Protected electrical connections without rail joiners
- Connections, wires, mechanisms, Decoders all out of sight in the roadbed
- Any piece of track can have feeder wires connected to it
- Improved geometry requires fewer pieces and adjustment sections
- Realistic appearance with a low rail profile
- Solid rails with space between the roadbed and the rails
- Low operating noise and high level of reliability
- Connections, wires, mechanisms, Decoders all out of sight in the roadbed
- Stepwise expansion possible with turnout mechanisms and Decoders
- Any piece of track can have feeder wires connected to it
- Improved geometry requires fewer pieces and adjustment sections

Set up with Simple Hand Movements

Even larger layouts can be set up in a few minutes with the ready-made track elements and the quick snap-together connection.

Sturdy and Long-Lasting

The track and its roadbed are made of high-quality materials designed to keep their shape and suport heavy loads. This makes C Track durable and almost indestructible even when it is put together and taken apart constantly as well as when it is subjected to the hardest operation.

The Plug-In Connection with the “Click”

The unique plug-in connection is the key to C Track: Just a slight push with your hands and the mechanical and electrical connection is made and at the same time safely locked into place. The locking connection with the “Click” holds the tracks on the layout together so that you have reliable operation and geometrically precise track joints. To separate the tracks, simply bend them against one another; the locking connection is undone.

Space for Many Purposes

The roadbed structure for C Track offers all sorts of usable space that is ready for installation of electrical and mechanical components as well as for locating wiring.

"The Track for Building and Playing"

- Realistic appearance with a low rail profile
- Solid rails with space between the roadbed and the rails
- Low operating noise and high level of reliability
- Connections, wires, mechanisms, Decoders all out of sight in the roadbed
- Any piece of track can have feeder wires connected to it
- Improved geometry requires fewer pieces and adjustment sections

The Roadbed

The roadbed for the track has a striking ballast structure in the color of aged basalt ballast. The width of the roadbed (40 mm / 1-15/16”) enables any and all track combinations without the necessity of cutting the slope of the roadbed.

The Striking Profile

The solid running rails are made of very sturdy, rust-free stainless steel.

The Rail Design

The cross section of 2.3 mm / 3/32” (Code 90) closely corresponds to a scale rail size. The rails are prototypically mounted with an air space under the web of the rail.

The Finished Track Structure

All C Track sections are ready to be used; they don’t require any additional handling or processing. The track structure does not have to be cut and above all it does not have to be ballasted.

The Märklin H0 System

Compatibility of the Märklin track systems with each other (adapter tracks to M and K Track).

Functionally reliable center conductor operation. Common ground for the running rails and for accessories. Any track pattern can be done without complicated wiring (example: reverse loops and wye).

Good Connections

This mechanical and electrical connections for the track are not visible externally. This results in a perfect, continuously seamless appearance. Rail joiners are not necessary. The snap-in connection locks the track sections together. This means that the planned geometry for a layout is maintained precisely without screws the track down.

01 The Märklin H0 System
02 Good Connections
03 Space for Many Purposes
04 The Roadbed
05 The Striking Profile
06 The Rail Design
07 The Finished Track Structure
08 The Märklin H0 System Compatibility of the Märklin track systems with each other (adapter tracks to M and K Track). Functionally reliable center conductor operation. Common ground for the running rails and for accessories. Any track pattern can be done without complicated wiring (example: reverse loops and wye).

Functionally reliable center conductor operation. Common ground for the running rails and for accessories. Any track pattern can be done without complicated wiring (example: reverse loops and wye).

01 The Märklin H0 System Compatibility of the Märklin track systems with each other (adapter tracks to M and K Track). Functionally reliable center conductor operation. Common ground for the running rails and for accessories. Any track pattern can be done without complicated wiring (example: reverse loops and wye).

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01 The Märklin H0 System Compatibility of the Märklin track systems with each other (adapter tracks to M and K Track). Functionally reliable center conductor operation. Common ground for the running rails and for accessories. Any track pattern can be done without complicated wiring (example: reverse loops and wye).
A generous and simultaneously space-saving basic track unit of 360 mm / 14-3/16” is used for building up track routes with C Track. This is the same in length as the length of a turnout combination and equals the length of the turnouts (188.3 mm / 7-13/32”) and the length of the complementary curve (171.7 mm / 6-3/4”). Both lengths are available as straight track sections.

In addition, two partial lengths are provided: 94.2 mm / 3-11/16” (1/2 of 188.3 mm / 7-13/32”) and 77.5 mm / 3-1/16” (extension of 94.2 mm / 3-11/16” to 171.7 mm / 6-3/4”). The second partial length is exactly the same as the parallel track spacing (77.5 mm / 3-1/16”).

The Different C Track Curves
The standard C Track curve has the customary radius of 360 mm / 14-3/16” and an external diameter of 76 cm / 30”.

The first parallel curve with radius 437.5 mm / 17-1/4” forms an external diameter of 91.5 cm / 36”. The parallel spacing of 77.5 mm / 3-1/16” offers enough space for longer locomotives and cars to pass one another on these curves and enable you to set up signals or catenary masts. This curved track comes as 30° sections and 12 sections form a circle.

In addition, there are half and quarter sections for the first two sizes of curves (15° and 7.5°). The tracks (24.3° and 5.7°) required for turnout combinations come from the R2 parallel curve. The R4 and R5 curved track with the radii of 579.3 mm / 22-13/16” and 643.6 mm / 25-5/16” are made with a closer track spacing of 64.3 mm / 2-9/16”. They form circles with external diameters of 120 cm / 47-1/4” and 133 cm / 52-3/8” and come in 30° circles.

The Basic Track Unit of 360 mm / 14-3/16”
A generous and simultaneously space-saving basic track unit of 360 mm / 14-3/16” is used for building up track routes with C Track. This is the same in length as the length of a turnout combination and equals the length of the turnouts (188.3 mm / 7-13/32”) and the length of the complementary curve (171.7 mm / 6-3/4”). Both lengths are available as straight track sections.

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<table>
<thead>
<tr>
<th>Track Spacing</th>
<th>Number of Sections</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>94.2 mm</td>
<td>6</td>
<td>79.4 cm</td>
</tr>
<tr>
<td>77.5 mm</td>
<td>12</td>
<td>77.5 cm</td>
</tr>
<tr>
<td>360 mm</td>
<td>30</td>
<td>143.1 cm</td>
</tr>
<tr>
<td>437.5 mm</td>
<td>12</td>
<td>91.5 cm</td>
</tr>
<tr>
<td>515 mm</td>
<td>12</td>
<td>107.5 cm</td>
</tr>
<tr>
<td>579.3 mm</td>
<td>12</td>
<td>120 cm</td>
</tr>
<tr>
<td>643.6 mm</td>
<td>12</td>
<td>133 cm</td>
</tr>
</tbody>
</table>
C Tracks

20188 Straight C Track
188.3 mm / 7-13/32".
Package quantity: 4 pieces.

20172 Straight C Track
171.7 mm / 6-3/4".
Package quantity: 4 pieces.

20246 Curved C Track
R2 = 437.5 mm / 17-1/4" / 30°.
Package quantity: 3 pieces.

20299 Curved Track Set
Track set consisting of 4 x 24094 straight tracks (each 94.2 mm / 3-11/16" long) and 2 x 24077 straight tracks (each 77.5 mm / 3-1/16" long).

20359 Curved C Track (R3)
R3 = 515 mm / 20-1/4" / 30°.
Package quantity: 3 pieces.

C Track C2 Extension Set
Contents:
5 x 24094 straight track
2 x 24172 curved track
1 x 24611 turnout
1 x 24612 turnout
Instructions

C Track C3 Extension Set
Contents:
7 x 24094 straight track
2 x 24172 straight track
2 x 24224 curved track
1 x 24611 curved turnout
Instructions

C Track C4 Extension Set
Contents:
4 x 24094 straight track
4 x 24172 straight track
2 x 24077 straight track
2 x 24130 curved track
6 x 24230 curved track
1 x 24671 curved turnout
1 x 24672 curved turnout
Instructions

C Track C5 Extension Set
Contents:
7 x 24094 straight track
7 x 24172 straight track
2 x 24130 straight track
1 x 24224 curved track
1 x 24611 turnout
1 x 24612 turnout
1 x 24620 double slip switch
4 x 24977 track ends with track bumpers
Instructions

For expanding the small C Track starter sets to include a passing siding.

20130 Curved C Track (R1)
R1 = 360 mm / 14-3/16" / 30°.
Package quantity: 2 pieces.

20330 Straight C Track
360 mm / 14-3/16".
Package quantity: 2 pieces.

201360 Straight C Track
360 mm / 14-3/16".
Package quantity: 2 pieces.

20224 Curved C Track
R2 = 437.5 mm / 17-1/4" / 24.3° (turnout branch).
Package quantity: 1 piece.

20295 Straight Track Set
Track set consisting of 4 x 24094 straight tracks (each 94.2 mm / 3-11/16" long) and 2 x 24077 straight tracks (each 77.5 mm / 3-1/16" long).

20300 C1 C Track Extension Set
Contents:
1 x 24094 straight track
1 x 24172 left turnout
Instructions

20304 C Track C4 Extension Set
Contents:
7 x 24094 straight track
7 x 24172 straight track
2 x 24130 curved track
1 x 24671 curved turnout
1 x 24672 curved turnout
Instructions

For expanding the C Track starter sets to include a passing siding with curved turnouts.

24900 C7 C Track Extension Set
Contents:
7 x 24188 straight track
7 x 24172 straight track
2 x 24077 straight track
1 x 24611 left turnout
Instructions

For adding a storage siding to the C Track starter sets.

24905 C Track C5 Extension Set
Contents:
7 x 24188 straight track
7 x 24172 straight track
1 x 24413 straight track
1 x 24242 double slip switch
1 x 24569 turntable
1 x 24620 double slip switch
1 x 24977 track bumper
Instructions

For expanding the C Track starter sets to include storage sidings and a yard lead.
The Geometry for Turnouts and Crossings

The turnouts and crossings in the compact C Track program have the same length (188.3 mm / 7-13/32”), the same angle 24.3° and the same connection dimensions with symmetrical legs. This allows you to install turnouts either straight or diagonal to a length of track or to replace them with crossings or double slip switches without having to make changes to the rest of the track. The length of the complementary curve is counterbalanced in all combinations with the same straight track (171.7 mm / 6-11/16”). Additional special adjustment sections are not needed.

Curved Turnouts with Round Geometry

The curved turnouts consist of two offset 30° curves in Radius 1. The main track is lengthened by 77.5 mm / 3-1/16”. This allows you to use the same turnout geometry in the Standard Curve R1 as in the Parallel Curve R2. Branches with the parallel track spacing or transitions between the R1 and R2 curves are possible as simple combinations at 60°, i.e. at only 1/6 circle. This covenues space on curves and increases length on the straight part of a track route.

C Track System

The turnouts and crossings in the compact C Track program have the same length (188.3 mm / 7-13/32”), the same angle 24.3° and the same connection dimensions with symmetrical legs. This allows you to install turnouts either straight or diagonal to a length of track or to replace them with crossings or double slip switches without having to make changes to the rest of the track. The length of the complementary curve is counterbalanced in all combinations with the same straight track (171.7 mm / 6-11/16”). Additional special adjustment sections are not needed.

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Get to Your Own Layout in 6 Simple Steps

You never forget the first layout: it’s just a very special moment when you turn the knobs for the first time and the train starts to move, when it stops for the first time at the station, or when the locomotive is put into the locomotive shed. Yet, a model railroad has much more to offer than the magic of the first moment. The technology for example: Today trains stop automatically at a signal, locomotives switch cars around at a waging speed, and the layout controls direct several trains at the same time on a model railroad.

Simple and Fast

1 Planning

In addition to drawing on paper, a layout can also be planned comfortably and easily on a personal computer. WinTrack is a track planning software from Märklin. If you select the individual products from Märklin Series, the planning can be done from the model railroad equipment manufacturer’s catalog. WinTrack has the advantage of computer assistance in the planning process. The program will generate a 3-D representation that provides a realistic image of the layout and the track planning program. If the layout has been fully planned comfortably and easily on a personal computer.

2 Bench Work

Now 10 millimeter / approximately 3/8 inch plywood can be purchased at local model train shops or hobby shops. The layout looks even more beautiful when the train disappears into a tunnel. A backdrop for the back side of the layout can be used for planning the bench work. Experienced modelers can buy the individual parts at a home improvement market or local model train shop and build the bench work. If you want a tunnel, a plywood base support can be installed on the bench work and track can be laid on it for our layout. You can also simply use a piece of screen wire, providing a backdrop for the back side of the layout. Backdrops are available at local model train shops or hobby shops. Backdrops are also available at local model train shops or hobby shops. Backdrops as well as trees, roads, and figures are available at local model train shops or hobby shops.

3 Wiring Connections and House Construction

Separation points, feeder connections, signal and turnout connections are provided for at the time you install the track. Signals are set up and wired and the layout is ready to be placed on the bench work. If you want a tunnel, a plywood base support can be installed on the bench work. The application of grass completes the layout. The application of grass completes the layout.

4 Lighting for Houses, Station Platforms, and Roads

The layout looks even more beautiful in the meantime. Roads and town squares can be done with paint and decals such as the existing脸 gives the impression of being overloaded. Lighting for houses, station platforms, and roads.

5 Refinement

Now it’s time for details such as trees and bushes. The family can be building houses for the layout. They can be added to the house – the layout is basically done. Autos, figures, and billboards are the icing on the cake. These plants and vegetation need to be applied in the meantime. Roads and town squares can be done with plants and decals such as the existing face gives the impression of being overloaded. Lighting for houses, station platforms, and roads.

6 Reﬁnements

Now it’s time for details such as trees and bushes. The family can be building houses for the layout. They can be added to the house – the layout is basically done. Autos, figures, and billboards are the icing on the cake, the layout is basically done.
Electric Turnout Mechanism
This is a kit for converting C Track turnouts. It has a double solenoid mechanism with end shut-off contacts. It can be expanded with a 72752 turnout control box with automatic feedback by means of LEDs when used with the 74492 turnout mechanism.

Extension Wire
(2-conductor)
3-conductor wire for extending the wire connections between a turnout and a turnout controller. Length: 1.80 m / 71”

Extension Wire
(4-conductor)
4-conductor wire for extending the wire connections between turnouts or signal controllers. Length: 1.80 m / 71”

Signal Control Box
Signal control box for the 74320, 74356, and 74213 signals. The control boxes are switching 4 home and 4/uni signals as well as controlling the track current appropriate to these signals. A 4-conductor wire with plugs included is connecting several controllers.

Turnout Control Box
This control box is for operating 4 turnouts. It has a 2-bit input to the 4-turnout mechanism. The control box is used with the 74492 turnout mechanism. A 4-conductor wire with plugs included is connecting several controllers.

Automatic One-Piece Railroad Grade Crossing
This single-track railroad grade crossing is fully assembled. It can be connected directly to C Track. The grade crossing has 2 solenoid activated gates with 2 red warning lights, which come on when the gates move down. A 4-conductor wire with plugs included is connecting several controllers. Dimensions: Width 54.2 mm / 2-1/8”, Dimensions for each base half 137 x 95 mm / 5-3/8” x 3-3/4”

Rerailer Ramp
The rerailer ramp facilitates placing multi-axle locomotives and cars on the track. Length 30 cm / 11-1/16”. Height 2.5 cm / 1”

See Page 63 for explanations of the symbols.
**FAQ**

1) **What do I need in order to get started with the hobby of model railroading?**

You have to have track, locomotives and cars, and a control system. All of this is included in our starter sets so that you have as easy a way as possible to get started in this hobby.

2) **What are the advantages of the Märklin system with the center stud contact compared to other systems?**

The first advantage is that the so-called Märklin center conductor system uses a center stud electrical connection compared to the two-conductor systems. The center stud contact is large enough to cleat and the double for the electrical current offers a reliable current pickup to this locomotive. This makes the Märklin system less sensitive to dirt compared to other systems.

Another advantage of the center conductor system is the electrical symmetry. As an example of this is the reverse loop, a track that comes back to itself in a circle in order to return to the reverse track for example. With the two-conductor system, electrical polarity may be at the turnout. Complete electrical circuits have to be installed in order to avoid a short circuit. With the Märklin center conductor track you don't have to worry about this, since the current always meets each other.

3) **Are former models compatible with Märklin?**

Yes, but here you must make sure that your control is capable of handling the center stud contact compared to the two-conductor system opposite poles meet at the turnout. Complete electrical circuits have to be installed in order to avoid a short circuit. With the Märklin center conductor track you don't have to worry about this, since the same poles always meet each other.

4) **What is the best way to expand a starter set?**

Insider Club. Here you can see and acquire exclusive Club models, annual issues, and much more. For more information about this you can find in our Insider Club. Call toll free +49 (0) 71 61/6 08-2 22 or e-mail service@maerklin.de.

5) **Do I have to pay a setup fee for the Märklin Insider Club?**

No, because the Märklin Insider Club is included in the Märklin Start Up package. You can become a member of the Insider Club at any time. Call toll free +49 (0) 71 61/6 08-2 22 to get an overview of the services in your area.
THE MÄRKLIN START UP CLUB

You’ll get at least 6 magazines a year containing cool adventures, tips, construction manuals, product presentations, comic spreads, contents, puzzles and a lot more!

As a club member you have access to interactive specials and games on the club website. Also, you can chat with other model railroad fans on the club forum.

SIMPLY REGISTER ONLINE
Join the Märklin Start-Up Club now or give someone a gift of the fascination of model railroads. It’s worth it to join up – and it only costs 12.00 EUR for a whole year’s subscription.

Simply register online under: www.maerklin.de/Startup

IT IS WORTH IT!
A lot of surprises and special discounts exclusively for members.

Register now and get the new club magazine by mail!

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You get your annual invoice by mail.

PAYMENT BY PAYMENT NOTE (possible only in Switzerland):
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Purpose of payment: name of member or membership number / annual subscription CHF 15.0

PAYMENT BY CREDIT CARD: Payment of annual subscription of EUR 12,00 / CHF 15,00 by credit card:
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or EURO/MASTERCARD

DIRECT DEBITE MANDATE:
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BIC
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Credit card number
Valid until
Date, signature of cardholder

I agree to my personal data being stored and used by Märklin Group companies to inform me products, events and other activities. I can revoke this assent at any time by writing to the following adress: Gebr. Märklin & Cie. GmbH, Märklin Start up Club, Postfach 960, 73009 Göppingen, Germany, Fax +49 7161 608 308.

Please use my data exclusively for this special transaction of the Märklin Start up Club. I do not want further contact for marketing or promotional purposes.

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PAYMENT BY CREDIT CARD:
Payment of annual subscription of EUR 12,00 / CHF 15,00 by credit card:
VISA CARD
or EURO/MASTERCARD

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The Märklin Start up Club offers exciting content from the world of model railroading, especially for beginners ages 6 and above.

It's worth being a member. To summarize:

- There are surprises and special promotions exclusively for members.
- Members receive access to the Club Web site and other online offers. In addition, the club offers online promotions in which club members can participate.
- There are surprises from the world of model railroading, especially for beginners ages 6 and above.

To become a member now in the Märklin Start up Club, simply register online at:

www.maerklin.de/Startup

Costs 12.00 Euros per year. It's worth it – and a membership only the fascination of model railroading.

Märklin Magazin

The Märklin Magazin is the leading magazine for model railroaders and appears in German, English, French, and Dutch. Information is given about:

- New models, new technologies
- The latest tips for building layouts
- The most important information about collecting
- All stories

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Full Steam Ahead into the World of Märklin – Become an Insider!

The Insider Club News 6 Times a Year

Club members receive a colorful, informative Insider Club News that can be quickly and easily understood and that is the heart of the Insider Club. The Insider Club News contains the following:

- **Main articles**
- Club members have access to the world of Märklin.
- A lot of exciting information about the Insider Club.
- New features to the Insider Club.
- Information about Märklin.
working with: Among them are the Maerklin Railway Museum, Hamburg, The Max-Neckar-Freizeit-Dreieck Works in Anger, on the VBG Railways and Exhibiting Group. In addition, your personal membership card will be sent directly to your home. A personalized and high quality certificate will be sent directly to your home address after delivery of your club car.

Club Cars 2019

H0

Z

Perfect Change

Digital models with full sound and an excellent value for the money

03663 Class 147.5 Electric Locomotive

Current New Item

03619 Class 183 Electric Locomotive

Nominated as the top model “The Golden Truck for 2017”

Class 193 Electric Locomotive

36182 Class 193 Electric Locomotive

Current New Item

36637 Class 147 Electric Locomotive

The Club trains are available by telephone to members.

The Club team is available by telephone to members Monday – Friday from 1.00 – 5.00 Uhr.

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Whether you are nostalgic or an historian, whether you are homesick or have wanderlust, or whether you simply have an eye for the right time and the right place – the Märklin assortment varies by historical eras, countries, and nations. All characteristic features, panel schemes, details, and lettering of the models correspond to their prototypes. In Era II a standardization office had to decrease the multiplicity of designs from numerous builders by implementing development guidelines; this problem has since been resolved by the concentration of the railroad industry. More and more locomotives and cars are being built on the same development platforms, and they are being used in different European countries.

Eras

<table>
<thead>
<tr>
<th>Era</th>
<th>Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1835 to 1925</td>
</tr>
<tr>
<td>II</td>
<td>1925 to 1945</td>
</tr>
<tr>
<td>III</td>
<td>1945 to 1970</td>
</tr>
<tr>
<td>IV</td>
<td>1970 to 1990</td>
</tr>
<tr>
<td>V</td>
<td>1990 to 2006</td>
</tr>
<tr>
<td>VI</td>
<td>2006 to the present</td>
</tr>
</tbody>
</table>

The large national state railroads were established in Europe in the 19th century, the provincial and privi.

cate car and locomotive types, colors, and lettering. The German national railroad in the west and the German State Railroad in East Germany developed parallel to one another. Era II is one of the most interesting phases with steam, diesel, and electric locomotives.

Era I
1835 to 1925

Era II
1925 to 1945

Era III
1945 to 1970

Era IV
1970 to 1990

Era V
1990 to 2006

Era VI
2006 to the present

The German Federal Railroad (DB) in the west and the German State Railroad (DR) in East Germany developed parallel to one another. Era II is one of the most interesting phases with steam, diesel, and electric locomotives.

Category (A) locomotives were introduced throughout Europe. The "A" symbol can be used across car and locomotive types.

Era III
1945 to 1970

This era saw a variety of car and locomotive types, colors, and lettering. Era III is characterized by a variety of car and locomotive types, colors, and lettering. Era III is characterized by a variety of car and locomotive types, colors, and lettering.

Era IV
1970 to 1990

Era V
1990 to 2006

Era VI
2006 to the present

The German Federal Railroad (DB) in the west and the German State Railroad (DR) in East Germany developed parallel to one another. Era II is one of the most interesting phases with steam, diesel, and electric locomotives.

Digital decoder with additional, digitally controlled functions (f1, f2, f3 or f4) when operated with the Control Unit 6021. The functions present depend on how the locomotive is equipped. Standard function (function) active during conventional operation.

Digital decoder with up to 32 digitally controlled functions. The quantity depends on the controller being used.

The UIC introduces new guidelines for lettering and co

Era V
1990 to 2006

Era VI
2006 to the present

New item for 2019.

Metal locomotive frame.

Metal frame and locomotive body.

Mostly metal locomotive body.

Märklin close couplers in standard pocket with pivot point.

Märklin close couplers in standard pocket with guide mechanism.

Built-in interior details.

Built-in sound effects circuit.

Digital decoder with additional, digitally controlled functions (f1, f2, f3 or f4) when operated with the Control Unit 6021. The functions present depend on how the locomotive is equipped. Standard function (function) active during conventional operation.

Digital decoder with up to 32 digitally controlled functions. The quantity depends on the controller being used.

DCC decoder.

Two red marker lights.

Triplet headlights with guide mechanism.

Triplet headlights that change over with the direction of travel.

One red marker light.

Triplet headlights and two red marker lights that change over with the direction of travel.

Interior lighting can be installed (example: with/uni00A07330).

The lighting kits are available in the Märklin H0 assortment at your authorized dealer.

Scale of 1 : 100.

Exclusive special models for the Märklin Dealer Initiative – produced in a one-time series. The Märklin Dealer Initiative is an international association of mid-sized toy and model railroad specialty dealers (MHI/uni00A0/uni00A0International). These models are produced in a one-time series only for the Märklin Dealer Initiative (MHI).

5-year warranty on all MHI products and club products (Märklin Insider and Trix Club) from 2012 on. See/uni00A0Page 81 for warranty terms.

Age Information and Warnings.

WARNING! Not suitable for children under 3 years. Sharp edges and points required for operation. Danger of choking due to detachable small parts that may be swallowed. Please keep the packaging.

For adults only.

¹ Products are available in the Märklin H0 assortment in specialty dealer shops.

Whether you are nostalgic or an historian, whether you are homesick or have wanderlust, or whether you simply have an eye for the right time and the right place – the Märklin assortment varies by historical eras, countries, and nations. All characteristic features, panel schemes, details, and lettering of the models correspond to their prototypes. In Era II a standardization office had to decrease the multiplicity of designs from numerous builders by implementing development guidelines; this problem has since been resolved by the concentration of the railroad industry. More and more locomotives and cars are being built on the same development platforms, and they are being used in different European countries.

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Märklin Direct Service
The authorized Märklin dealer is your contact for repairs and conversions from analog to digital. We can do conversions in our repair department in Göppingen for dealers without their own service department as well as for consumers. After the model has been examined, you will receive a cost quotation including details of the work to be done and the cost for reliable shipping. If you would personally like to drop off and pick up models in Göppingen, please see our Service Point at the Märklin Museum.

Hours of operation at the Service Point
at the Märklineum, Reuschstraße 6,
73033 Göppingen, Germany:
Monday through Saturday from 10:00 AM to 6:00 PM

Gebr. Märklin & Cie. GmbH
Reparaturservice
Stuttgarter Straße 55-57
D-73033 Göppingen
Telefon +49 (0) 71 61 / 608-222
Fax +49 (0) 71 61 / 608-225
E-mail service@maerklin.de

Manufacturer’s Warranty
The firm of Gebr. Märklin & Cie. gives a manufacturer’s warranty for different products via the legal guarantee rights available to you vis-à-vis your authorized Märklin dealer as your contractual partner. The extent and terms of this warranty can be found in the instructions or the warranty documentation accompanying the product or they can be found on our regional Internet pages.

General Notes
Märklin products adhere to the European Safety Guidelines (EC Standards) for toys. If you are going to enjoy these products with the highest possible level of safety, it is assumed that you will use the individual products in accordance with these guidelines. Instructions for the correct hookup and handling are therefore given in the instruction manuals accompanying the products. These instructions must be followed. We recommend that parents discuss the operating instructions with their children before the products are used for the first time. This will guarantee many years of safe enjoyment with your model railroad.
Some important items of general importance are summarized below.

Connections for Track Layouts
Use only Märklin switched mode power packs for operating our model trains (applies only to Europe; normal transformers are still sold in North America). Use only switched mode power packs from the current product program, since these switched mode power packs conform to the current safety standards and approval guidelines. Pay close attention to the guidelines in the instructions for use. Switched mode power packs are not toys. They are used to supply power to a model railroad layout. In addition to these general notes, you should pay close attention to the instructions for use, which accompany Märklin products in order to maintain operating safety.

Important Service Information

Deutschland
Service Center
Ersatzteilberatung, Fragen zu Technik, Produkten und Reparaturaufträgen
(Montag bis Freitag 13.00 – 17.00 Uhr)

Telefon +49 (0) 7161/608-222
Fax +49 (0) 7161/608-225
E-Mail service@maerklin.de

Niederlande
Technische hotline
Maandag t/m donderdag: 09.00 – 13.00 uur en 13.30 – 17.00 uur
Aanspreekpartner: G. Keuterman
Telefoon +31 (0) 74 - 2664044
E-mail techniek@marklin.nl

USA
Technical Hotline
Contacts: Curtis Jeung & Rick Sinclair,
Digital Consultants
Hours: 6:00am – 9:00pm PST, Monday through Friday
Telefon 650-569-1318
E-mail digital@marklin.com

België / Belgique
Technische hotline
Maandag van 20.00 – 22.00 uur
Zondag van 10.00 – 12.00 uur
Aanspreekpartner: Hans Van Den Berge
Telefoon +32 (0) 9 245 47 56
E-mail customerservice@marklin.be

Schweiz / Frankreich / Italien
Technische Hotline
Dienstag, Donnerstag und Samstag von 14.00 – 18.00 Uhr
Ansprechpartner: Alexander Stelzer
Telefon +41 (0) 56/667 3663
Fax +41 (0) 56/667 4664
E-Mail service@maerklin.ch

Nederlands
Technische Hotline
Maandag t/m donderdag: 09.00 – 13.00 uur

Schweiz
Technische Hotline
Dienstag, Donnerstag und Samstag von 14.00 – 18.00 Uhr
Ansprechpartner: Alexander Stelzer
Telefon +41 (0) 56/667 3663
Fax +41 (0) 56/667 4664
E-Mail service@maerklin.ch

Holland
Technische Hotline
Maandag t/m donderdag: 09.00 – 13.00 uur

Italia
Linea diretta tecnica
Martedì e giovedì dalle ore 14.00 alle 18.00
Interlocutore: Alexander Stelzer
Telefono +41 (0) 56/667 3663
Fax +41 (0) 56/667 4664
E-Mail service@maerklin.ch

See Page 63 for explanations of the symbols.
When you buy these Märklin MHI products (these products are identified with the pictogram), the firm Gebr. Märklin & Cie. GmbH will also grant you independent of the legal, national warranty rights available to you in regard to your Märklin MHI specialty dealer as your contracting partner or your rights from product liability a manufacturer’s warranty of 60 months from the date of purchase under the terms given below. This allows you independent of the location of the purchase the possibility to claim defects or malfunctions directly from the firm of Märklin as the manufacturer of the product. The Märklin manufacturer’s warranty only applies to the technology of the models. Visual defects or incomplete products can be claimed within the framework of the warranty obligations of the seller of the product.

Warranty Conditions

This warranty applies to Märklin assortment products and individual parts that are purchased by a Märklin MHI specialty dealer worldwide. Either the warranty form filled out in full by the Märklin MHI specialty dealer or the purchase receipt will serve as proof of purchase. We therefore recommend that this warranty form should be kept safe along with the purchase receipt. This warranty includes as selected by the manufacturer correction of any possible defects at no charge or replacement of defective parts at no charge that can be proven to result from design, manufacturing, or material defects, including service performed that is linked to this situation. Other claims outside of the manufacturer’s warranty are excluded. The terms of the warranty do not apply.

Contents of the Warranty / Exclusions

• In the case of malfunctioning of the product due to wear and tear or in the case of parts that wear out in normal use.
• If the installation of certain electronic elements contrary to the manufacturer’s specifications was carried out by individuals not authorized to do such installations.
• In the case of use of the product for a purpose other than that specified by the manufacturer.
• If the references and notes from the manufacturer in the operating instructions were not followed.
• Any and all claims arising from the warranty implied or otherwise or replacement for damages are excluded, if other makes of parts not authorized by Märklin have been installed in Märklin products, and have hereby caused malfunctions or damages. The same applies to conversions that were carried out by neither Märklin nor repair centers authorized by Märklin. The irrefutable assumption that the aforementioned non-Märklin parts or conversions are the cause for the malfunction or damages works fundamentally in Märklin’s favor.

The warranty period is not extended by repair or replacement of the product covered under warranty. Warranty claims can be submitted directly to the seller or by sending the claimed item/part together with the warranty card or the proof of purchase and a summary of the defects directly to the firm Märklin. In accepting the product for repair, Märklin and the seller assume no liability for data or settings stored on the product by the consumer. Warranty claims sent shipping collect cannot be accepted.

Our address: Gebr. Märklin & Cie. GmbH • Reparatur-Service Stuttgartstraße 55 –57 • 73033 Göppingen • Germany E-mail: service@maerklin.de • Internet: www.maerklin.de
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Märklin fulfils the requirements for a quality control management system adhering to the ISO 9001 Standard. This is checked and certified at regular intervals by the test agency TÜV Süd using monitoring tests. You thereby have the assurance that you are purchasing a tested quality product.

www.maerklin.de
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