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märklin

Re 420 91 85 4420 251-1 <u>CH</u>-SBBC

## **Summer New Items 2022**

420 251-1

### "175 Years of Swiss Railroading"



Everything began with the "Spanish Brötli" – a delicious pastry from the Swiss resort town of Baden. Naturally, this is not the whole truth, but on August 9, 1847, the first railroad built in Switzerland from Zürich to Baden started scheduled operations. Now the servants of high Zürich society could

pick up this famous pastry rolling out early in the morning comfortably by train and bring it promptly to the Sunday breakfast table, without an hour's trip to Baden and back. For that reason, this route soon acquired the name "Spanisch-Brötli-Bahn" ("Spanish Brötli Railroad"). In succeeding years a rail construction boom broke out in Switzerland too, which reached a route length of 2,457 kilometers / 1,536 miles within 35 years. Finally, between 1902 and 1909, the five large railroad companies were nationalized into the Swiss Federal Railways (SBB). The result was the weaving of an increasingly dense rail network across Switzerland, which is still extensively used today. The Swiss still show an marked preference for using the railroad, because on average they travel about 1,800 kilometers / 1,125 miles per year by train.

On this notable anniversary, the SBB is presenting an electric locomotive with an appropriately striking special design. Road number Re 420 251 (former Re 4/4 II 11251) was selected for this purpose. For decades, this general-purpose class has been an essential support of locomotive-hauled SBB service. At 276 units built between 1964 and 1985, it is also the class built in the highest quantity for the Swiss Railways.



88596 Class Re 420 Electric Locomotive Page 33

37875 Class Re 420 Electric Locomotive

comotive Page 12

25875 Class Re 420 Electric Locomotive



### **Editorial / Contents**

### Welcome to the Summer New Items for 2022

Accompanied by many original photos, we are climbing on board our trip through the summer highlights for your gauge. During this trip, there are greetings from Switzerland on a following page in the form of a magnificent electric locomotive with a special design specially planned for this memorable anniversary. No less interesting is the extensive MHI program for this summer. In addition to attractive stake cars with loads of wood, two tank cars for transporting heavy oil will liven up your freight lines. In addition to many other interesting models, the newly designed Ae 6/6 "Graubünden" is also making an entrance. Equipped for the first time with a centrally mounted motor and 4 axles powered, this model will also win you over with its prototypically improved ends.

Our Z Gauge is bringing you into the early Sixties with a busy mail train, which was in use in this form in and around the Hannover Main Station. This summer Märklin 1 is bringing out the famous "Schorsch" for big and small railroaders. In addition to development rich in detail, this model will also surprise you with a special function realized for the first time.

We hope you have a lot of fun browsing in the Summer New Items for 2022. Your Märklin Team

### 4 Axles Powered .....

Frequently you can read in descriptions of more models that a newly introduced locomotive is being promoted *with 4 axles* powered.

Technically, this statement means that such models are at the latest level of development and have a *centrally mounted motor*. Its advantage compared to earlier designs is a drive system using both trucks with optimal weight distribution for the model as a whole – *simply 4 axles powered*. You could also say...



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#### Important Note!

The products shown in this brochure/catalog are high quality collector and model railroad items with a recommended age of 15 years and older. We recommend our Märklin Start up assortment for children aged 6 years and above. This is not suitable for children under the age of three years.

### Das ist grün

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### 39197 Class 193 Electric Locomotive

**Prototype**: German Railroad, Inc. (DB AG) class 193 (Vectron) electric locomotive. DB Cargo freight service area. Locomotive road number 193 310. The locomotive looks as it did around 2018.

**Model**: The locomotive has an mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. 4 axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Long-distance headlights can be controlled separately. The cab lighting can be controlled digitally. The control desk lighting can be controlled digitally. The headlights at Locomotive Ends 2 and 1 can be turned off separately in digital operation. When the headlights are off at both ends, the double "A" lights are on at both ends. Maintenance-free warm white and red LEDs are used for the lighting. Brake hoses for mounting on the locomotive are included. There is a figure of an engineer in Cab 1. Length over the buffers 21.9 cm / 8-5/8".

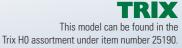
One-time series.

### Highlights:

- New tooling
- Extensive light functions included for various countries including a light test
- Locomotive body and frame are constructed of die-cast zinc
- Many separately applied details

193 310

- Cab lighting can be controlled digitally
- Control desk lighting can be controlled digitally
- ✓ World of Operation mfx+ digital decoder and extensive operation and sound functions included



**Das ist** 

80-D 0-BIE 12818-0 D-D8

### MHI Exclusive



Digital Functions	MNS 2 MNS 2 CCS2-3 CCS2-3
	Light Function – Light test
at the factory Engineer's cab lighting	Blower motors
Electric lesemative on a	ounds Compressor
Low Pitch Horn	Letting off Air
Direct control	Sanding
Sound of squealing brake	s off Opening cab door
Headlight(s): Cab2 End	Windshield wiper sounds
	SIFA warning sound
Headlight(s): Cab1 End	Train control warning sound
Long distance neadingnts	Switching range + switching light Sound of Couplers Engaging
Light Function Dutch on	vitching light Sound of uncoupling
Light Function – Swies su	vitching light Station Announcements
	Sound of railroad crossing gates closing
Light function for oncoming	train for IT and DK Sound of railroad crossing gates opening
märklin Händler-Initiative Light Function – Swiss ond	oming train light
	ailable at your ecialty dealer

This model is being produced in a one-time series only for the Märklin Dealer Initiative (MHI). 5 years warranty on all MHI/Exclusiv items and club items (Märklin Insider and Trix Club). The warranty terms and a current explanation of the symbols can be found on page 39.

### Made for Wood

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### 47153 Stake Car Set with a Load of Wood

**Prototype**: Three German Railroad, Inc. (DB AG) type Rs 684 stake cars. The cars look as they did in 2020.

**Model**: All of the cars have a load of laminated wood. The cars have different car numbers and are individually packaged. There is also a master package.

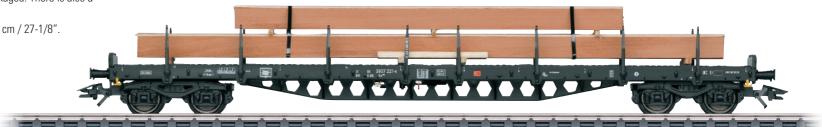
Total length over the buffers approximately 69 cm / 27-1/8". DC wheelset E700580.

#### Highlights:

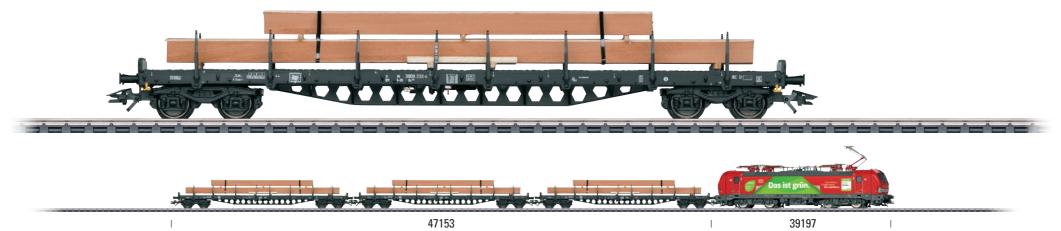
All if the cars have an attractive load of laminated wooden beams











This model is being produced in a one-time series only for the Märklin Dealer Initiative (MHI). 5 years warranty on all MHI/Exclusiv items and club items (Märklin Insider and Trix Club). The warranty terms and a current explanation of the symbols can be found on page 39.





### 47918 Tank Car Set

**Model**: The ladders on the ends of the cars and the detailed sheet metal paneling are modelled. The cars have NEM coupler pockets and close coupler mechanisms. Both cars have different car numbers and are individually packaged. There is also a master package. Total length over the buffers 26.5 cm / 10-7/16". DC wheelset E700580.

One-time series for April 1, 2022.

#### Highlights:

- The ideal add-on for oil-fired American steam locomotives such as the Big Boy and Challenger
- Tank cars for fueling and expanding the operational range of American steam locomotives

Presented for the first time in EM 04/22 More fuel for the Big Boy and the Challenger





### **Telefunken – The Name for Radio**

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### 46169 Type Gbkl Boxcar

**Prototype**: German Federal Railroad (DB) type Gbkl 238 boxcar of the earlier GI "Dresden" Interchange Design. Short version, without a hand brake, brakeman's platform, and brakeman's cab. Version without end wall doors. The car looks as it did around 1972.

**Model**: The car does not have indicated end wall doors. It does have truss rods and additional step boards. The model has TELEFUNKEN promotional lettering. Length over the buffers 13.9 cm / 5-1/2". DC wheelset E700580. Trix Express wheelset E258259.



### **MHI Exclusive**



## **Schuce** – Available at Your Schuco MHI Dealer

### mấrklín



452671600 Edition 1:87 Set of 3 "Vintage Racing" Vehicles Citroen 2CV, Porsche 911 S, and Mini Cooper 452661000 Edition 1: 87 Kirovets K-700 Double-Tired, yellow



. (Marklin Insider and Trix Club). This model is being produced in a one-time series only for the Märklin Dealer Initiative (MHI). 5 years warranty on all MHI/Exclusiv items and club items (Märklin Insider and Trix Club). The warranty terms and a current explanation of the symbols can be found on page 39.

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### "DAMPFBAHN-ROUTE Sachsen" ("STEAM RAILROAD ROUTE Saxony")



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#### 39377 Class 101 Electric Locomotive

**Prototype**: German Railroad, Inc. (DB AG) class 101 express locomotive. Promotional design "DAMPFBAHN-ROUTE Sachsen" ("STEAM RAILROAD ROUTE Saxony"). Road number 101 032-1. The locomotive looks as it currently does in 2022.

**Model**: The locomotive has an mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion. Four axles powered. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Long-distance headlights can be controlled separately. Cab lighting can be controlled. The headlights at Locomotive Ends 2 and 1 can be turned off separately in digital operation. When the headlights are turned off at both ends, the double "A" light function is on at both ends. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has couplers with a guide mechanism.

#### Highlights:

- Centrally mounted motor, all four axles powered
- Cab lighting
- Couplers with a guide mechanism
- mfx+ digital decoder

One-time series.

Digital Functions	CU MS MS 2 CS1	CS2-3		CS2-3
Headlight(s)	1111		Sanding	
Long distance headlights			SIFA warning sound	
Electric locomotive op. sounds			Switching range + switching light	
Horn		I	Sound of Couplers Engaging	
Direct control			Sound of uncoupling	
Engineer's cab lighting			Pantograph Sounds	
Headlight(s): Cab2 End		I		
High Pitch Horn		I		
Headlight(s): Cab1 End				
Sound of squealing brakes off				
Station Announcements	- H	I		
Conductor's Whistle				
Blower motors				
Compressor	- H.	I		
Letting off Air				
Switching maneuver				

- With Update 3.55 also up to 32 functions for the MS2



In cooperation with Steam Railroad Route Saxony



### 39365 Class Ae 6/6 Electric Locomotive

**Prototype**: SBB Historic class Ae 6/6 electric locomotive as a museum locomotive. Cantonal coat-of-arms for Graubünden/Grischun. Road number 11421. Fir green basic paint scheme. The locomotive looks as it currently does in 2022.

**Model**: The locomotive has an mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel, centrally mounted. Two axles in each truck powered. Traction tires. Triple headlights and a white marker light (Swiss headlight / marker light changeover) change over with the direction of travel, will work in conventional operation, and can be controlled digitally. Additional separately controlled light functions: switching to a red marker light, switching to two red marker lights, switching to a warning light, locomotive running authorization light, and switching movements light. The cab and engine room lights can be controlled separately in digital operation. Maintenance-free warm white and red LEDs are used for lighting. The locomotive has many separately applied details such as metal grab irons. It also has a close coupler mechanism. Length over the buffers 21 cm / 8-1/4".

#### Highlights:

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- Prototypically improved shape of the ends
- Centrally mounted motor and 4 axles powered for the first time
- Cab and engine room lights can be controlled separately in digital operation
- Numerous light functions that can be controlled separately in digital operation
- Close coupler mechanism

### Now with a centrally mounted motor!

#### Almost Silent

5

There are many positive arguments for propulsion by a centrally mounted motor. The propulsion essentially still goes via both trucks. A locomotive model thus reaches the best tractive effort with optimal weight distribution and almost silent, smooth running behavior.

For the 175th anniversary of Swiss Railroading and the 70th anniversary of the class Ae 6/6

11421

-

The image shows a stereo-lithographic hand sample

At the end of the Forties, the Swiss Federal Railways (SBB) grappled again intensively with the problems of hauling trains on the Gotthard route. Extensive studies led to the realization that a new type of locomotive had to be designed with six driving axles, without pilot trucks, with a weight of about 120 metric tons, and a performance of 4,300 kilowatts / 5,764 horsepower for the constantly increasing trainloads. After almost three years of development and construction time, the two prototypes of the Ae 6/6 were ready and put into operation in the fall of 1952 and January of 1953. After overcoming several teething problems and above all installing wheelsets with side play as well as reducing the flanges on the center wheelsets of the trucks, the SBB initiated regular production of the locomotive in 1954. A total of 118 additional units were delivered between 1955 and 1966. It quickly turned out that a great success was at hand with road numbers Ae 6/6 11401-11520 and a "new Gotthard locomotive" was sparkling in the locomotive heavens. The only shortcoming on the Ae 6/6 was its trucks, which proved to be real "rail grinders" on certain routes and caused excessive wear on the track.

Digital Functions	CU	MS	MS 2	CS1	CS2-3	C.S2-3
Headlight(s)						Letting off Air
Engineer's cab lighting			Т	I		Light Function
Electric locomotive op. sounds	Т	Г	Т	I		Station Announcements
Locomotive whistle		T		I	T	
Direct control			Т	I		
Sound of squealing brakes off		Г	Т	T	1	
Light Function			Т	I		
Headlight(s): Cab2 End				I		
Whistle for switching maneuver			Т	I		
Switching range + switching light			Т	I		
Headlight(s): Cab1 End			Т			
Light Function			Т	I		
Blower motors			Т	I		
Conductor's Whistle						
Brake Compressor			T	I	1	
Light Function						

- With Update 3.55 also up to 32 functions for the MS2

This model can be found in the Trix H0 assortment under item number 25666

The ends of the Ae 6/6 are modelled prototypically thanks to the completely new insert for the rail clearance devices and the window bars incorporated in the body.



The image shows a stereo-lithographic hand sample



The complete history about the "new Gotthard Locomotive" can be found online at: https://www.maerklin.de/products/39365

BB

43369



### 37875 Class Re 420 Electric Locomotive

**Prototype**: Swiss Federal Railways (SBB), SBB Cargo Business Area, class Re 420 electric locomotive. Special adhesive covering for the anniversary "175 Years of Swiss Railroading". Road number Re 420 251-1. The locomotive looks as it currently does in 2022.

**Model**: The locomotive has an mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel, centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and 1 white marker light (Swiss headlight / marker light code) change over with the direction of travel, will work in conventional operation, and can be controlled digitally. When the locomotive is running "light", the lighting can be switched to 1 red

Re 420 91 85 4420 251-1 <u>CH</u>-SBBC marker light. The headlights at Locomotive Ends 2 and 1 can be turned off separately in digital operation. When the headlights are off at both ends, the double "A" lights are on at both ends as a red emergency light. The locomotive has long-distance headlights, cab lighting, and engine room lighting, each of which can be controlled separately in digital operation. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has separately applied metal grab irons. The couplers can be replaced by end skirting included with the locomotive. Length over the buffers 17.1 cm / 6-3/4".

under item number 25875.

175

H SBB CFF FFS

Attractive promotional design for "175 Years of Swiss Railroading"

Images show the hand sample Left side of locomotive This model can be found in the Trix HO assortment



Highlights:

111

- Attractive promotional design for "175 Years of Swiss Railroading"
- Centrally mounted motor and all 4 axles powered by means of cardan shafts
- mfx+ World of Operation digital decoder and a variety of light and sound functions included
- ✓ Design created in cooperation with Ms. Gudrun Geiblinger



märklín

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HE PT 70E

Re 420 91 85 4420 251-1 CH-SBBC

U

Digital Functions	CU MS MS 2	S1	S2-3		CS2-3
Headlight(s)	022	-		Letting off Air	
Marker light(s)		T	t	Pantograph Sounds	
Electric locomotive op. sounds		T	T	Sanding	
Locomotive whistle		T	I	Doors Closing	
Direct control		Т		Compressor	
Long distance headlights		Т	I	Sound of Couplers Engaging	
Engineer's cab lighting		Т	I	Conductor's Whistle	
Headlight(s): Cab2 End		Т		Main Relay	
Switching maneuver		Т			
Whistle for switching maneuver		Т	I		
Headlight(s): Cab1 End		Т	I		
Engineer's cab lighting		Т			
Sound of squealing brakes off		Т	I		
Light Function		T	I		
Marker light(s)					
Blower motors		Т	T		

175

SBB CFF FFS

© Klaus Eckert

- With Update 3.55 also up to 32 functions for the MS2



### Freight Service Right across Europe

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### 47568 Type Zacens Tank Car Set

**Prototype**: Three type Zacens four-axle tank cars. Version with insulated funnel-flow tanks, side ladders, and type Y 25 trucks. Privately owned by Wascosa, Inc., Lucerne, Switzerland, registered in the Netherlands. The cars look as they did around 2014.

**Model**: The cars have detailed, partially open frames and many separately applied details. All of the tank cars have different car numbers. The cars are individually packaged and there is a master package. Length over the buffers per car 18 cm / 7-1/16". Total length over the buffers approximately 54.5 cm / 21-1/2". DC wheelset per car E700580.







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47568

47568



### 39867 Class 189 Electric Locomotive

**Prototype**: MRCE class 189 electric locomotive leased by Rotterdam Rail Feeding B.V. (RRF). Multi-system locomotive with 4 pantographs for cross-border freight service between the Netherlands and Germany. Road number 189 091-2. The locomotive looks as it did starting in 2019.

**Model**: The locomotive has an mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel, centrally mounted. 4 axles powered using cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive Ends 2 and 1 can be turned off separately in digital operation. When the headlights are off at both ends, the double "A" light function is on at both ends. The long-distance headlights can be controlled digitally. Maintenance-free warm white and red LEDs are used for the lighting. The cabs have interior details. The locomotive has separately applied metal grab irons. The locomotive is prototypically equipped with different pantographs for the current systems in Germany and the Netherlands. Length over the buffers 22.5 cm / 8-7/8".

#### **Highlights**:

ES 64 F4-991

- Prototypically equipped with two different pantographs
- Long-distance headlights can be controlled
- "World of Operation" mfx+ decoder with extensive operation and sound functions included

### Locomotive for Cross-Border Freight Service

LZB: 189 091-2

Digital Functions	CU	MS 2	CS1 CS2-3
Headlight(s)			
Electric locomotive op. sounds			
Long distance headlights			
Horn			
Direct control			
Headlight(s): Cab2 End			
Whistle for switching maneuver			
Switching maneuver			
Headlight(s): Cab1 End			
Sound of squealing brakes off			
Sound of Couplers Engaging			
Compressor			11
Letting off Air			
Sanding			
Warning announcement			
Station Announcements			
Stat. Announce. – Dutch			

- With Update 3.55 also up to 32 functions for the MS2

#### TRIX This model can be found in the Trix H0 assortmen

under item number 22004



### •••• VI

### 47136 Type Sgnss Container Transport Car

**Prototype**: Four-axle type Sgnss container transport car for combined load service for the firm T.R.W., Brussels, registered in Belgium. Loaded with a 40-foot box container. The car looks as it did around 2020.

**Model**: The car has type Y 25 trucks. The transport car floor is prototypically partially open and is constructed of metal with striking fish belly type side sills. The transport car is loaded with a 40-foot box container, which can be removed. Length over the buffers 22.7 cm / 8-15/16". DC wheelset E700580.

A class 66 diesel locomotive (item number 39062) or a G2000 locomotive (item number 39297) to go with this car can be found in the Märklin H0 assortment.



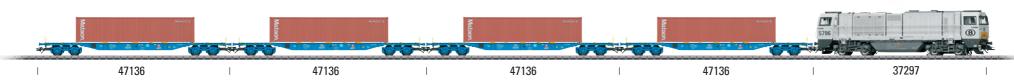
40-foot box container, which can be removed

The ends are

prototypical and detailed

Matson

For even more variety in combined load service



MLCU453611 9

### 37297 Class G 2000 BB Vossloh Diesel Locomotive

**Prototype**: Class G 2000 BB Vossloh heavy diesel locomotive with symmetrical cabs. Locomotive owned by the ATC AngelTrainsCargo, Antwerp, leased as the class 57 to the Belgian State Railways (SNCB). Light gray basic paint scheme with a basalt gray frame. Locomotive road number 5706. The locomotive looks as it did in Era VI.

**Model**: The locomotive has an mfx+ digital decoder and extensive sound and light functions. It also has controlled high-efficiency propulsion with a flywheel, centrally mounted. All 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive Ends 2 and 1 can be turned off separately in digital operation. When the headlights are off at both ends, the "double ,A' light" function is on at both ends. The cabs have lighting and it can be controlled separately at both ends in digital operation. Maintenance-free warm white and red LEDs are used for the lighting. The locomotive has many separately applied details. The side handrails on the frame are constructed of metal. The locomotive has detailed buffer beams. Brake hoses that can be mounted on the end of the locomotive are included. End covers are included and can be mounted on the buffer beam. Length over the buffers 20 cm / 7-7/8".

#### **Highlights:**

- Frame and parts of the body constructed of metal
- Cab lighting can be controlled separately in digital operation
- World of Operation mfx+ digital decoder and extensive operation and sound functions included

Digital Functions	3	MS 2 MS 2 CS1	CS2-3	CS2-3
Headlight(s)				Conductor's Whistle
Engineer's cab lighting				Switching maneuver
Diesel locomotive op. sounds				"Switcher Double ""A"" Light"
Warning Sound				
Engineer's cab lighting				
Sound of squealing brakes off				
Headlight(s): Cab2 End				
Whistle for switching maneuver				
Headlight(s): Cab1 End				
Direct control				
Sanding				and the second s
Sound of Couplers Engaging				
Blower motors				
Letting off Air				
Buffer to buffer				
Replenishing diesel fuel				

- With Update 3.55 also up to 32 functions for the MS2



## 175 Years of Railroading in Denmark

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### 39491 Steam Locomotive, Road Number E 991

**Prototype**: Danish State Railways (DSB) steam locomotive with a tender, road number E 991. The locomotive looks as it did around 2007.

**Model**: The locomotive has an mfx+ digital decoder and extensive light and sound functions. It also has controlled high-efficiency propulsion with a flywheel, in the boiler. Three axles powered. Traction tires. The locomotive and the tender are constructed mostly of metal. The locomotive has a factory-installed smoke unit. Triple headlights on the locomotive and the tender, which change over with the direction of travel, and the built-in smoke unit will work in conventional operation and can be controlled digitally. The emergency light on the smoke box door can be controlled separately in digital operation. Cab lighting and firebox flickering can also be controlled separately in digital operation. Maintenance-free warm white and red LEDs are used for the lighting. There is an adjustable close coupling with a guide mechanism between the locomotive and tender. There is a close coupler with a guide mechanism and an NEM pocket on the tender. The minimum radius for operation is 360 mm / 14-3/16". There are many separately applied details such as steps, brake hoses, piping, and imitation prototype couplers included Length over the buffers approximately 24.5 cm / 9-5/8".

Highlights:

- Completely new tooling
- Especially intricate metal construction
- Factory-installed smoke unit
- Emergency light can be controlled separately in digital operation
- Cab lighting can be controlled separately in digital operation
- Firebox flickering can be controlled separately in digital operation

# Especially intricate metal construction

### The enlarged side windows are prototypically modelled

TRIX This model can be found in the Trix HO assortment under item number 25491.

Nr 991



Additional details and insights can be found in our special brochure. Ask your specialty dealer or go to www.maerklin.de

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The most beautiful steam locomotive on the Danish State Railways (DSB) was the class (Litra) E. It originated among eleven Pacific express locomotives of the Swedish State Railways (SJ) class F, which disappeared from service in 1937 due to increasing electrification. The DSB was able to acquire these powerful locomotives and then roster them as road numbers E 964–974. Starting in 1940, the DSB urgently needed additional powerful steam locomotives and so it had another 25 class E locomotives built with small improvements by Frichs in Aarhus as road numbers E 975–999. These Pacifics maintained their role pulling passenger and freight trains up into the Sixties. However, one after the other they were put into storage. Several units were preserved however, including road number E 991 as an operational DSB museum locomotive. It was in operation almost continuously until 2010 for special service and had the great honor on November 14, 2000 to be the motive power for the special train with the casket for Queen Ingrid from Copenhagen to the burial in Roskilde.

Digital Functions	CU MS MS 2	CS1 CS1		CS2-3
Headlight(s)	1.1.1		Sanding	
Smoke generator		П	Replenishing water	
Steam locomotive op. sounds		П	Replenishing coal	
Locomotive whistle		П		
Direct control		П		
Sound of squealing brakes off		П		
Engineer's cab lighting		П		
Flickering Light in Fire Box		П		
Whistle for switching maneuver				
Letting off Steam		П		
Light Function		П		
Sound of coal being shoveled				
Tipping grate		П		
Air Pump		П		
Water Pump				
Injectors				

- With Update 3.55 also up to 32 functions for the MS2

### Store Car for 2022

### FOTOT NEM VI

### 47583 Type Lgs 580 Container Transport Car

**Prototype**: Type Lgs 580 2-axle container transport car for combined loading service. Traffic red basic paint scheme. German Railroad, Inc. (DB AG). The transport car is loaded with a 40-foot box container. The car looks as it did around 2019.

**Model**: This car has a representation of corrugated metal as the cover plate on the car body. Separately applied raised retaining brackets are on the brakeman's steps. Separately applied ladders and cable anchors with protective tubes are on the side sills. This is the car version without a hand wheel for setting brakes from the ground. The car is loaded with a removable 40-foot box container. Length over the buffers 16.1 cm / 6-3/8". DC wheelset E700580.

One-time series.

Special model, only available in Märklin Stores (Germany: Mainz, Essen, Stuttgart, Neustadt/Donau, Mühlheim/Main, Munich, Hamburg. Netherlands: Utrecht. Italy: Bergamo. Japan: Osaka) This car goes with previously offered container transport cars, item numbers 47812, 47133, and 47690, to form a container train for example with the class 193 electric locomotive, item number 36161, the G2000 diesel locomotive, item number 37217, or the new class 66 diesel locomotive, item number 39075, also exclusively for Märklin Stores.



A type Lgs 580 container transport car to go with this locomotive can be found under item number 47583 in the Märklin H0 assortment, exclusively for Märklin Stores. Additional container transport cars from the last few years have also been offered under item numbers 47812, 47133, and 47690 exclusively for Märklin Stores.

- With Update 3.55 also up to 32 functions for the MS2

## Store Locomotive for 2022

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### 39075 Class 66 Diesel Locomotive

Prototype: Class 66 diesel electric freight locomotive. Locomotive in a fictitious black basic paint scheme as a privately owned locomotive. Locomotive road number 92 80 1 266 202-1. The locomotive looks as it did in 2021.

Model: The locomotive has an mfx+ digital decoder and extensive sound and light functions. It also has controlled high-efficiency propulsion with a flywheel, centrally mounted. 4 axles powered by means of cardan shafts. Traction tires. The triple headlights and dual red marker lights change over with the direction of travel, will work in conventional operation, and can be controlled digitally. The headlights at Locomotive Ends 2 and 1 can be turned off separately in digital operation. When the headlights are off at both ends, the "Double .A' Light" function is on. The cab lighting can be controlled digitally. The control desk lighting can be controlled digitally. Additional light functions such as long-distance lights, special switching lights, and blinking lights can be controlled digitally. Maintenance-free, warm white and red LEDs are used for the lighting. The locomotive has a factory-installed smoke generator with dynamic smoke exhaust. It also has many separately applied details. The locomotive has detailed buffer beams. Various detail parts that can be installed on the locomotive are included. Length over the buffers approximately 24.7 cm / 9-3/4".



#### **Highlights**:

One-time series.

- Comes with a collector display case and a certificate of authenticity
- ✓ World of Operation mfx+ digital decoder and extensive operation and sound functions included
- Cab and control desk lighting can be controlled digitally
- ✓ Factory-installed smoke generator with dynamic smoke exhaust
- Special model, only available in Märklin Stores (Germany: Mainz, Essen, Stuttgart, Neustadt/Donau, Mühlheim/Main, Munich, Hamburg. Netherlands: Utrecht. Italy: Bergamo. Japan: Osaka)

CU	MS 2	CS1	CSZ-3	553.1 F
			E	Blower motors
			L	ight Function
	Т		H	ligh Pitch Horn
			S	Switching maneuver
			C	Compressor
			L	etting off Air
			S	Sanding
			S	Sound of Couplers Engaging
			C	Coupler sounds
			F	Replenishing diesel fuel
			V	Varning announcement
			V	Varning announcement
	Т		C	Operating sounds
				· · ·
	W CC	MIS 2		



### Accessories

#### fx mfx DCC III-VI

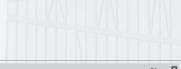
### 74862 C Track Turntable

This is a standard design 23 meter / 74 foot 9 inch turntable. It is designed for conventional and digital locomotive operation. The remote controlled deck has a built-in motor. It can only be controlled digitally with the Mobile Station 2 and Central-Station 2 and 3 (not included). Control with the Central-Station 2 and 3 is especially easy by means of track indexing (after carrying out an update), or with different digital central controllers that use the DCC digital format. Function: The deck turns right/ left and the pit is designed for sunken installation in the layout. 6 track spoke connections for C Track are included for insertion at the location of your choice. The spoke angles are in the C Track grid spacing of 12°. The turntable can used with K Track by means of the 24922 adapter track and with M Track by means of the 24951 adapter track. A maximum of 30 track spoke connections in the spacing of 12° can be done with the 74871 expansion set. Locomotive operating current must be supplied separately to the track spoke connections. The external diameter of the turntable with one each spoke track opposite each other is 378 mm / 15-1/32". The diameter of the pit without spoke tracks is 278 mm / 10-15/16". The deck length is 263 mm / 10-3/8". This turntable can be used with the 72887 roundhouse locomotive shed. Various sound functions can be controlled. LEDs are used to light the turntable operator's hut and the outside lighting and they can be controlled.

#### **Highlights**:

Sound

Operator's hut with LED lighting



Digital Functions	CU MS 2 CS1 CS2::
Light Function	
Light Function	
Special sound function	
Horn blast 1	
Horn blast 2	

The image shows a sample in color



### 72887 Locomotive Shed Kit

**Prototype**: Roundhouse locomotive shed of brick construction with support structure set off in a different color.

**Model**: The stalls are arranged on 12° angles. This kit goes well with the 74861, 74862, and 66861 (Trix H0) turntables. This kit can be used with C Track and K Track (track not included). Size: 377 x 494 mm, height 129 mm / Size: 14-7/8" x 19-7/16", height 5-1/16".

The usable track length in the shed is about 30 cm / 11-13/16". The doors to the stalls close automatically when a locomotive enters a stall. Faller 191200SA servos can be installed to operate the doors.

Can also be used for two-rail track systems Automatically opening and closing doors included

.........

Front Side

Front Side

TII-VI

### 72889 Locomotive Shed Expansion Kit

**Model**: This is a 2-stall expansion kit without side walls for the 72887 roundhouse locomotive shed, with stalls are arranged on 12° angles. This kit goes well with the 74861, 74862, and 66861 (Trix H0) turntables. This kit can be used with C Track and K Track (track not included). Size: 369 x 325 mm, height 129 mm / Size: 14-1/2" x 12-13/16", height 5-1/16".

Rear Side

Interior lighting to go with this kit can be found at Faller under item number 180653.

Rear Side

### Accessories

This is a universal circuit board with several LEDs for installation in most passenger cars in the Märklin H0 assortment. A built-in buffer memory allows flicker-free operation. The brightness of the interior lighting can be adjusted manually. The circuit board can be cut at several locations for shorter cars. Retaining brackets for mounting the circuit board in the car are included.

### LED I – VI

### 73410 Warm White LED Lighting Kit

Highlights:

- ✓ Coziness in the car: dimmed LEDs
- Flicker-free operation with a buffer memory
- Adjustable brightness of the interior lighting

LED III-VI

### 73411 Cold White LED Lighting Kit

**Highlights**:

- Bright light in the car: white LEDs
- Flicker-free operation with a buffer memory
- Adjustable brightness of the interior lighting



Can be shortened for everything! Thanks to the well thought out predetermined break points, these new lighting circuit boards can be adapted to other car lengths.

> The buffer memories have been designed to be adequate for flicker-free lighting

Separate connection hardware such as the 73404, 73405 or 73406, or the 72020 current-conducting coupler with a 72050 ground spring is required for electrical connections, depending on the car type.

In DC operation the 66715 or 66716 separate connection hardware is available.

The interior lighting can be custom dimmed using the fine adjustment



### 76550 40-Foot Container Set

**Prototype**: Four 40-foot standard box containers for various firms. The containers look as they currently do in Era VI.

**Model**: This set consists of four 40-foot standard box containers in various designs for adding to and going with all existing Märklin/Trix type Sgns and Lg(n)s container transport cars as well as type Sggrrs double container transport cars.

# The ideal add-on for any container train The containers can be stacked

中国海运集团

### VI

VI

### 76551 20-Foot Container Set

**Prototype**: Four 20-foot standard box containers for various firms. The containers look as they currently do in Era VI.

**Model**: This set consists of four 20-foot standard box containers in various designs for adding to and going with all existing Märklin/Trix type Sgns and Lg(n)s container transport cars as well as type Sggrrs double container transport cars.





Hapag-Lloyd Safmarine

E I SU 16 67 38

EVERGREEN

CHINA SHIPPING

### **Accessories**

The new close coupler head is specially planned for newly designed locomotives with prototypically lower buffer beams and thereby lower buffer heights above the top edge of the rail (according to NEM 303). This is to ensure the required freedom of movement for the coupler system below the buffer plates. This new close coupler head is compatible with all available Märklin couplers.

### 72010 Close Coupler Heads for Standard Coupler Pockets

Contents: 10 close coupler heads. They are for use on locomotives and cars with standard coupler pockets (NEM 362) and a guide mechanism, as well as on locomotives and cars with a lower buffer height in accordance with NEM 303. These coupler heads are compatible with standard couplers (NEM 360).

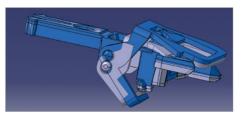
#### **Highlights:**

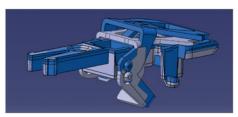
Package with 10 close coupler heads for locomotives/cars with a lower buffer height

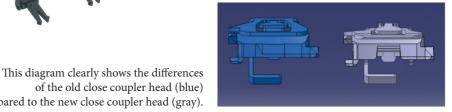


of the old close coupler head (blue)

compared to the new close coupler head (gray).









### 03071 Märklin Track Plan Book

German language version.

### 03061 Märklin Track Plan Book

English language version.

#### Highlights:

- Perfect help for building a layout
- 25 track plans from easy to hard included

In over 160 pages, you get extensive tips for building a layout including essential information about track geometry, layout control, and accessories. An ideal handbook for designing and building a modern track layout. In addition, there are numerous suggestions for updating existing layouts and taking them into the digital world. There are also 25 track plans for C and K Track included in this handbook

### IV

### **80832** Märklin Magazin Z Gauge Annual Car for 2022

**Prototype**: Type Tbis 871 2-axle sliding roof / sliding wall car, as a privately owned car for the Märklin Magazin, used on the German Federal Railroad (DB). The car looks as it did in Era IV.

**Model**: The car body is made of highly detailed and finely imprinted plastic. The car has separately applied platforms on the ends. Length over the buffers 64 mm / 2-1/2".

One-time series. Continuation of the popular Märklin Magazin Annual Car series.



One-time series.

### IV NEM

### 48522 Märklin Magazin H0 Annual Car for 2022

**Prototype**: Type Pwgs 041 freight train baggage car, with a cupola. Privately owned car for the Märklin Magazin, Göppingen, Germany, used on the German Federal Railroad. The car looks as it did around 1990.

**Model**: The roof cupola has an opening into the interior space of the car. The underbody has separately applied brake rigging. Length over the buffers 11.9 cm / 4-11/16". DC wheelset E700580. márklín <sup>HO</sup>



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### **Letters and Packages**

Starting in August of 1948, the Hannover Postal District began to manage the switching service between Hannover Main Station, the Pferdeturm (Horse Tower) car yard station (mail transfer hall), the Clausewitz Street Mail Complex, and the Westside Mail Complex with its own diesel locomotives. By the end of 1953, three replicas of the three-axle side rod drive German Army diesel locomotives (similar to the DB class V 36) were available for this work. Initially, they scurried constantly in two, later in three shifts across the tracks of the Hannover Main Station, in the case of heavy trains even in a double locomotive combination as the "Double Lottie". In the beginning, these units were painted black, but starting at the latest in the Sixties, they were in a gleaming red with a silver roof and a postal horn and lettering in yellow. The locomotives rostered as road numbers 1, 3, and 4 ran until August 1, 1972, and then switching service in Hannover with postal system locomotives was abandoned due to rationalization.



### •••• 🐳 🐖 💷

### 81341 German Federal Postal System Train Set

**Prototype**: German Federal Postal System freight train consisting of a class V 36 diesel locomotive (OPD Hannover) with 2 type Gmhs 53 box-cars, 1 type Rmms 33 stake car with a brakeman's platform, and a Tempo three-wheel delivery vehicle. The train and the delivery vehicle look as they did in Era III around 1963.

**Model**: The locomotive has a motor with a bell-shaped armature and it is constructed mostly of metal. In addition, there are headlights / marker lights with warm white / red LEDs, which change over with the direction of travel. All of the cars are prototypically imprinted. The "Post" Tempo three-wheeler as a freight load is constructed of metal, has rubber tires, and can be rolled. A set of stakes is included for the type Rmms 33.

The train and delivery vehicle are a special version and are not available individually. Length over the buffers approximately 220 mm / 8-5/8".

#### **Highlights**:

- Motor with a bell-shaped armature
- Tempo three-wheel delivery vehicle

One-time series for the Märklin Dealer Initiative (MHI).











This model is being produced in a one-time series only for the Märklin Dealer Initiative (MHI). 5 years warranty on all MHI/Exclusiv items and club items (Märklin Insider and Trix Club). The warranty terms and a current explanation of the symbols can be found on page 39.

### **Manufacturer Model – Part 5 of the Collector Series**



## Cast in Bronze

Care, skilled craftsmanship, and the demand for perfection are needed to create a Z Gauge model cast in bronze from a design drawing. One of the most important steps here is constant testing by our experienced team. With sure and probing scrutiny, they see the smallest inaccuracies in the first 3D samples or in the negative molds hardened in plaster. With their years of experience, they know how to prevent even the smallest air bubbles. Whether it is with the use of the latest technology or simply the feel of an old master craftsman.

### 

### 86236 Type Omm 52 Gondola in Real Bronze

Prototype: Type Omm 52 gondola. Version without a brakeman's cab.

**Model**: The car body and floor are hand-cast in bronze and have a transparent protective coating. The solid wheels are black nickel-plated. Length over the buffers 46 mm / 1-13/16".

- Highlights:
- From the Märklin Z Manufacturer Model Investment Casting Edition
- Car body and floor cast in real bronze

One-time limited series.

Cast in Bronze, a Gem for Generations



Previous models from the Märklin Z Manufacturer Models Investment Casting Edition:















88565 Class Ce 6/8 III "Crocodile" Electric Locomotive 88932 Class 85 Steam Locomotive

88207 Class V 200 Diesel Locomotive

86606 Type VH 14 Boxcar

82170 Type GI Dresden Boxcar

82389 Refrigerator Car

88569 Class Ce 6/8 III "Crocodile" Electric Locomotive



# 88846 Class 50 Steam Locomotive



**Prototype**: German Federal Railroad (DB) class 50 heavy freight locomotive with a standard design type 2'2'T26 tender in a rebuilt form as a cab tender. Version with 3 boiler domes and Witte smoke deflectors. Used for heavy freight trains. The locomotive looks as it did in Era III. Road number 50 1019.

**Model**: The locomotive body is new tooling and is constructed of bronze. The locomotive has a motor with a bell-shaped armature. All driving axles powered. The wheels and valve gear are dark plated. The drive rods, side rods, and valve gear are finely detailed and fully functional. The brakes, sand pipes, rail clearance devices, and inductive magnets on both sides are modelled. The buffer plates are enlarged. The paint scheme and lettering are prototypical. The window frames on the tender are imprinted. Length over the buffers approximately 109 mm / 4-5/16".

# First time for a class 50 with three domes

A highlight for every layout, the class 50 with a cab tender

This model could be done thanks to the new method for casting bronze

Highlights:

- Locomotive body is new tooling and is constructed of die-cast bronze
- Class 50 for the first time with 3 boiler domes
- Prototypical rods and valve gear
- Brakes and rail clearance devices modelled
- All driving axles powered
- Warm white LED lighting for headlights





### 88679 Class 101 Electric Locomotive



Road number 101 088 has been promoting the Steam Railroad Route Saxony since the end of November 2021. Presented on its sides in addition to the Saxonia and Sachsenstolz (Saxon Pride) locomotives are locomotives and cars of the Saxon narrow gauge railways. **Prototype**: German Railroad, Inc. (DB AG) class 101 express locomotive. Promotional design "DAMPFBAHN-ROUTE Sachsen" ("STEAM RAILROAD ROUTE Saxony"). Road number 101 088-3. The locomotive looks as it currently does in 2022.

**Model**: The locomotive has a motor with a bell-shaped armature. Both trucks powered. Maintenance-free, warm white and red LEDs are used for the lighting. The current pickup can be switched to catenary. Length over the buffers 86 mm / 3-3/8".

#### Highlights:

- Motor with a bell-shaped armature
- 🖝 Exclusive design



88679





### VI

### 88596 Class Re 420 Electric Locomotive

Prototype: Swiss Federal Railways (SBB) class Re 420 electric locomotive with a promotional design for "175 Years of Swiss Railroading". The locomotive looks as it currently does in 2022.

**Model**: The locomotive has a motor with a bell-shaped armature. All¥axles powered. Maintenance-free warm white / red LEDs are used for the headlights / marker lights (3 each white in the front, 1 each white in the right rear, Swiss headlight code) that change over with the direction of travel. The pilots swing out on both trucks. The power pickup can be switched from catenary to track. Length over the buffers 75 mm / 2-15/16".

Left side of locomotive

#### **Highlights**:

- Motor with a bell-shaped armature
- The pilots swing out
- ✓ LED lighting includes Swiss headlight code
- Design created in cooperation with Ms. Gudrun Geiblinger

Images show the hand sample

Right side of locomotive







The "Vectrons" from Siemens enjoy great popularity as class 193 multiple system electric locomotives among private operators and leasing companies. The "LTE – Logistics and Transport, Inc." rosters a pair of these, including road number 193 232 provided with a special adhesive film. This locomotive was taken over by the leasing firm ELL Austria, Inc. on January 19, 2018. This is the 100th Vectron for ELL and LTE acknowledged this in the locomotive design with the figure of the "Flying Dutchman", which has since been sailing under the flag of LTE. Symbolically, the locomotive vividly shows a "flight" over the East-West axis, continuous transport by rail from Rotterdam to Constanza. The new locomotive design series "Logistitcs4Legends" is starting at LTE with the "Flying Dutchman".

### 

### 88233 Class 193 Electric Locomotive



**Prototype**: ELL/LTE class 193 multi-system electric locomotive (Siemens Vectron) in the "Flying Dutchman" design. The locomotive looks as it currently does in Era VI.

**Model**: The frame is constructed of metal, and the locomotive body is made of plastic. This is very fine construction with an extensive paint scheme and lettering. The locomotive has a motor with a bell-shaped armature. Both trucks powered. The locomotive has separately applied details, warm white / red LED headlights and marker lights that change over with the direction of travel. Both trucks powered. Length over the buffers approximately 86 mm / 3-3/8".

#### Highlights:

- Finely detailed construction
- Extensive paint scheme
- Motor with a bell-shaped armature
- ✓ Warm white / red LED headlights and marker lights





#### 55127 Class 02 Steam Locomotive

**Prototype**: German State Railroad (DR/GDR) of East Germany express train steam locomotive, road number 02 0314-1, with oil main firing and an oil tender. Converted version as an experimental locomotive for the VES-M Halle (Saale) (Railroad Research and Development Locomotive Management Department). Version with a "Reko" (rebuilt) boiler and partial streamlining, based on road number 18 314 (former Baden class IV h). Witte smoke deflectors and an inductive magnet on one side included. The locomotive looks as it did around 1970/71.

Model: The locomotive is completely new tooling and is constructed of metal. It has a frame, superstructure with boiler, and cab constructed of die-cast zinc. Other separately applied parts are mostly constructed of brass. This is a highly detailed model with many separately applied parts and a highly detailed engineer's cab. The smoke box door can be opened. The cab doors and much more can be opened. The locomotive has an mfx digital decoder with 32 functions, controlled high efficiency propulsion, and a sound generator with operating sounds synchronized with the wheels as well as extensive sound functions. It can be operated with AC power, DC power, Märklin Digital, and DCC. The locomotive has a built-in buffer capacitor. All driving axles powered. The locomotive has a built-in smoke unit with smoke exhaust and multi-step cylinder steam synchronized with the wheels and a steam whistle. The locomotive has running gear lights and triple headlights with a light color correct for the era and that change over with the direction of travel. The headlights will work in conventional operation and can be controlled digitally. Maintenance-free, warm white LEDs are used for the lighting. The locomotive has a red marker light that can be controlled. The locomotive has cab lighting and multi-colored firebox lighting (flickering). Digitally controlled special function: The locomotive engineer activates the controller (movement activated with a servo as when the locomotive engineer activates the controller in real life). The locomotive comes with sprung buffers. There is a reproduction of the prototype coupler on the front and a remote-controlled Telex coupler on the rear of the tender, which can be replaced by the other type of coupler. The valve gear switchover is in 3 steps (forward, reverse, continuous operation). There is a built-in figure of a locomotive engineer. An accessory package with a reproduction of the prototype coupler, smoke fluid, and gloves are included with the locomotive. The locomotive is mounted on an aluminum base painted black for display purposes. Minimum radius for operation 1,020 mm / 40-3/16". Length over the buffers 73.8 cm / 29". Weight approximately 9.2 kilograms / 20 pounds 4 ounces.

#### Highlights:

- Completely new tooling
- Highly detailed full metal construction
- Frame, superstructure, boiler, etc. constructed of die-cast zinc, separately applied parts constructed of brass
- Decoder generation with a current buffer and up to 32 functions
- Smoke unit with smoke exhaust and f/r cylinder steam synchronized with the wheels and a steam whistle
- Special function: The locomotive engineer activates the controller (servo activated)
- Load-controlled operating sounds synchronized with the wheels
- Smoke box door and dome hatches can be opened, many original details included
- Headlights with a light color correct for the era and warm white LEDs
- Red marker light that can be controlled
- 🛩 Cab lighting

- mfx decoder for operation with AC power, DC power, Märklin Digital, and DCC
- Valve gear switchover (forward, reverse, continuous operation) in 3 steps with a servomotor
- Telex coupler on the rear, reproduction prototype coupler on the front (one (1) more of each included with the locomotive)

Many additional interesting details can be found online at: https://www.maerklin.de/dampflokomotive-baureihe-02





MÄRKLIN

SEIT 1969

Road number 18 314 of the German State Railroad (DR) of the GDR, a steam locomotive later known as the "Schorsch", had an unusual, astonishing life story. Once put into service in 1919 as a Baden class "IV h" "classy runner", the DRG took over this unit as road number 18 314. After the end of World War II, it went to the Soviet Zone in exchange for an S 3/6, where the later VES-M Halle (Railroad Research and Development Locomotive Management Department) urgently needed a fast four-cylinder compound steam locomotive for experimental runs. In 1960, it was equipped with a rebuilt boiler, partial streamlining, a new cab, and tender in order to go even faster. The final "i" was dotted in 1967 when it was converted to oil firing. At the end of 1971, it was put into storage and sold to West Germany in 1984 in die BRD. Since 1986, it has formed one of the showpieces in the Automotive and Technology Museum in Sinsheim. It is on permanent loan from the HEF.

Special function: Movable locomotiveengineer activates the controller

Digital Functions	CU MS	MS 2	CS2-3	
Headlight(s)				Marker light(s)
Smoke generator		П		Whistle for switching maneuver
Steam locomotive op. sounds				Conductor's Whistle
Locomotive whistle				Letting off Steam
Telex coupler on the rear				Air Pump
Engineer's cab lighting				Surrounding sounds
Sanding				Safety Valve
Special Function				Light(s) for Oncoming Train
Direct control		П		Special sound function
Sound of squealing brakes off				Replenishing fuel
Switching range + switching light				Replenishing water
"Switcher Double ""A"" Light"				Replenishing sand
Light Function				Switching maneuver
Injectors				Rail Joints
Water Pump				Special sound function
Special sound function				Special sound function

- With Update 3.55 also up to 32 functions for the MS2



### **Replica**

### 

### **18451** Tempo Hanseat Three-Wheeler

**Prototype**: Tempo Hanseat three-wheeler with a flatbed and a tarp attachment. The model looks as it did in Era III.

**Model**: This is a Tempo Hanseat delivery vehicle with a flatbed and a tarp. The model is finely detailed, includes interior details, a figure of a driver, and mirrors. The model is made of plastic and has real rubber tires. The model can be rolled and the rear axle is sprung. The tarp has promotional lettering for Gebr. Märklin. Vehicle length approximately 14 cm / 5-1/2".

### Highlights:

- Finely detailed
- Promotional lettering for Märklin



GEBR.MARKLIN&CIE.

FEINER METALLSPIELWAREN GOPPINGEN/WURTT.

MÄRKLIN

SEIT 1969

### Index to the Item Numbers / Explanations of Symbols

### mấrklín

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- Metal locomotive frame.
- Metal frame and mostly metal locomotive body
- Metal frame and locomotive body.
- Metal car frame.
  - Metal car frame and body
- Close couplers in standard pocket with pivot point.
- Close couplers in standard pocket with guide mechanism
- **F** Digital decoder with additional, digitally controlled functions (f1, f2, f3 or f4) when operated with the **6021 Control Unit**. The functions present depend on how the locomotive is equipped. Standard function (function) active during conventional operation.

mfx Built-in interior details.

- Digital decoder with up to 32 digitally controlled functions. The quantity depends on the controller being used.
  - Digital decoder mfx+ (Märklin World of Operation).
  - DCC decoder.

Triple headlights at the front

Triple headlights that change over with the direction of the travel.

Triple headlights and two red marker lights that change over Era I (1835 to 1925) Ι with the direction of travel Triple headlights and a red marker light that change over with Π Era II (1925 to 1945) the direction of travel. Triple headlights and a white marker light that change over Era III (1945 to 1970) Ш with the direction of travel LED interior lighting can be installed Era IV (1970 to 1990) IV LED interior lighting.  $\mathbf{V}$ Era V (1990-2007) LED Exclusive special models for the Märklin Dealer Initiative -Era VI (2007 to the present) VI produced in a one-time series. The Märklin Dealer Initiative is an international association of mid-sized toy and model railroad specialty dealers (MHI International). 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). Bronze Investment Casting Edition

#### Update CS2 4.2

Functionality after update of the CS2 to Version 4.2 (Up to 32 locomotive functions).

A current explanation of the pictograms can be found on the Internet at www.maerklin.de for a product in question. You do this by going across the symbol field with your mouse.

#### <u>Update MS2 3.55</u>

Functionality according to update for MS2 Version 3.55 (Up to 32 locomotive functions).

#### Märklin MHI Guarantee conditions

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. Contents of the Warranty / Exclusions: 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

- 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 by

Märklin nor by 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.

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