

Hinweis:

Einige PIKO Modelle können mit einem Pufferkondensator auf der Lokplatine ausgerüstet werden. Die Kapazität des Kondensators richtet sich nach den jeweiligen Vorgaben des verwendeten Decoders. Wenden Sie sich deshalb bitte bei Anfragen zu möglichen Pufferkondensatoren an den jeweiligen Decoder-hersteller.

Some PIKO models are equipped with a buffer condenser on the circuit board. The capacity of the condenser depends on the respective requirements of the applied decoder. For requests about suitable buffer condensers please contact the respective decoder manufacturer.

Certains modèles PIKO peuvent être équipés d'un condensateur de protection sur la platine de la locomotive. La capacité du condensateur varie alors selon les préconisations du fabricant du décodeur utilisé. En cas de questions concernant ce condensateur de protection veuillez- vous adresser au fabricant du décodeur utilisé.

Sommige modellen van PIKO kunnen worden uitgerust met een buffercondensator op de hoofdprintplaat van de loc. De capaciteit van de condensator is afhankelijk van de specificaties van de gebruikte decoder. U dient zich daarom tot de fabrikant van de decoder te wenden met betrekking tot de mogelijke buffercondensatoren.

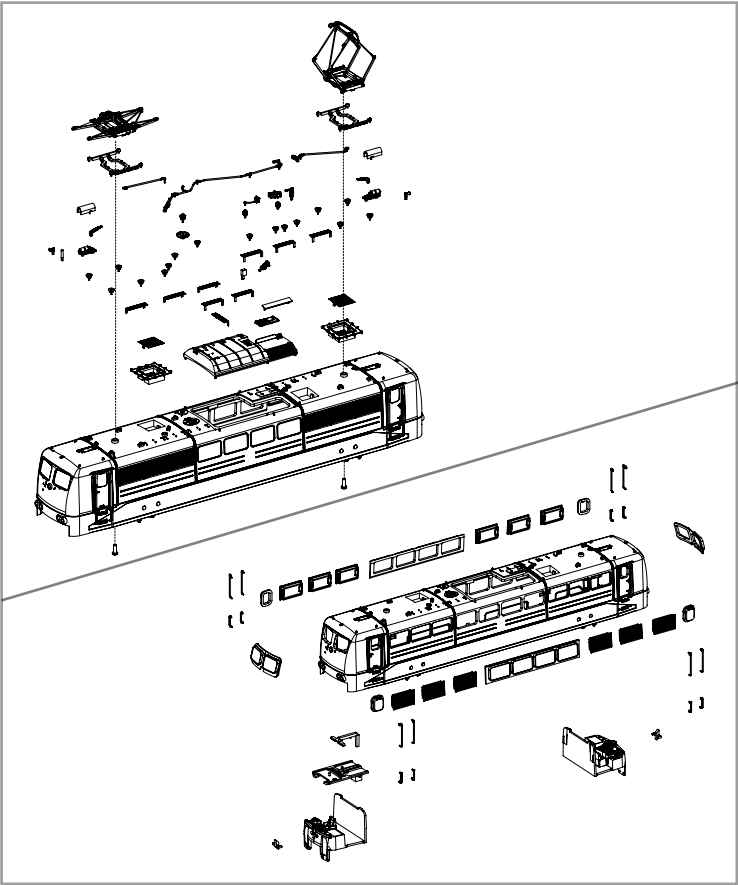
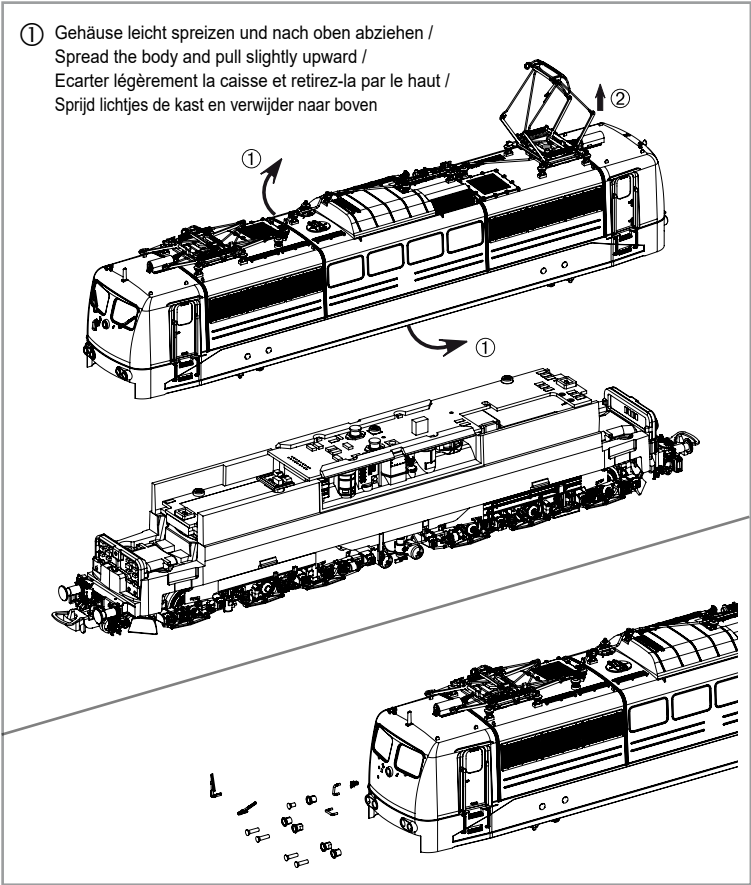
Notizen:

BEDIENUNGSANLEITUNG  
ELEKTROLOKOMOTIVE BR 151  
Instruction sheet for Electric Locomotive BR 151



# 51310 Gleichstrom DC  
# 51311 Wechselstrom AC

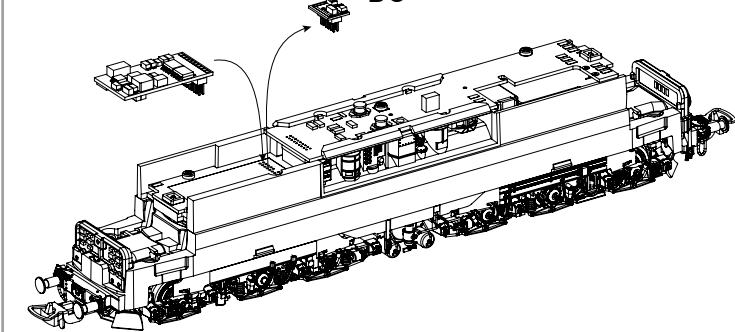
|        |
|--------|
| PluX22 |
| 0-12 V |
| 0-16 V |



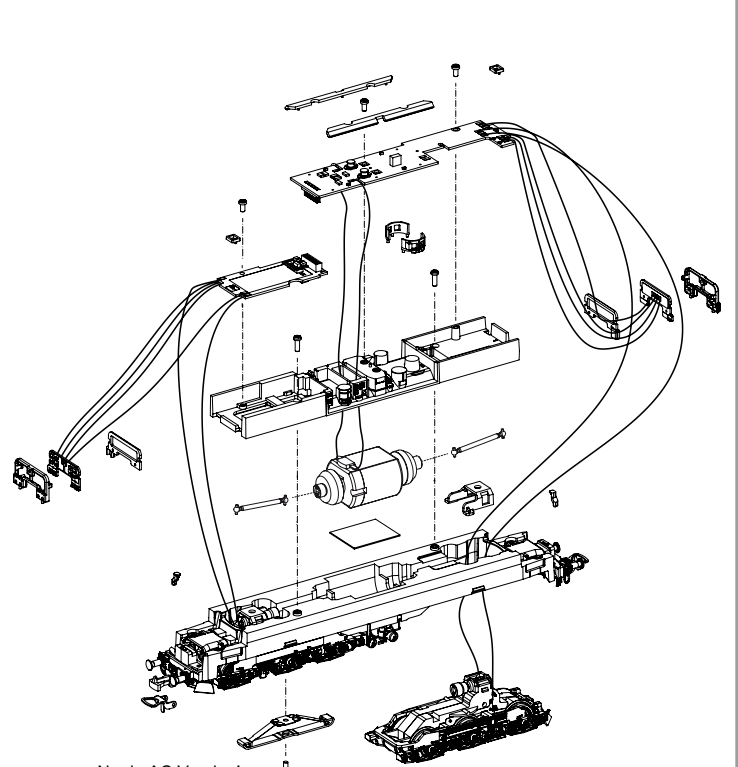
Decodereinbau:  
Installing Decoder /  
Installation du décodeur /  
Inbouw decoder

In DC Version nicht enthalten!  
Not included in DC version! /  
Non compris dans la version 2 rails DC! /  
Bij de DC versie niet inbegrepen!

PIKO # 56400 / # 56401 DC\*



\* Bitte Brückenstecker aufbewahren!  
Please save the DC Bridge!  
Conservez l'interface digitale!  
De brugstekker s.v.p. bewaren!

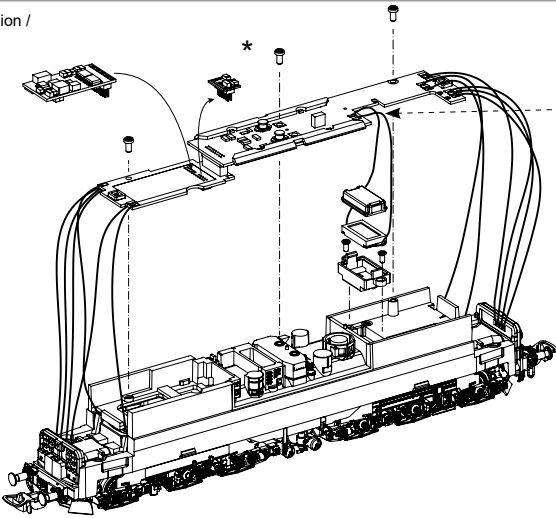


Nur in AC Version!  
Only in AC version! /  
Seulement en AC version /  
Uitsluitend in AC versie!



Zurüstbauteile in DC-Version / Extension in DC version /  
Pièces pour Version DC / Bijkomende onderdelen DC-versie

56423 PIKO SmartDecoder 4.1 Sound  
56423 PIKO SmartDecoder 4.1 Sound  
56423 PIKO SmartDecoder 4.1 Sound  
56423 PIKO SmartDecoder 4.1 Sound

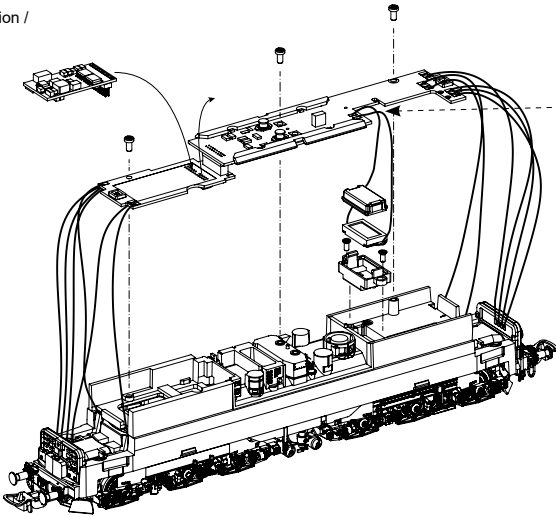


Kabel von Lautsprecher auf Leiterplatte anlöten! /  
Solder cables of speakers on mainboard on! /  
Souder les câbles du haut parleur au circuit imprimé /  
Kabel van de luidspreker op de printplaat solderen!

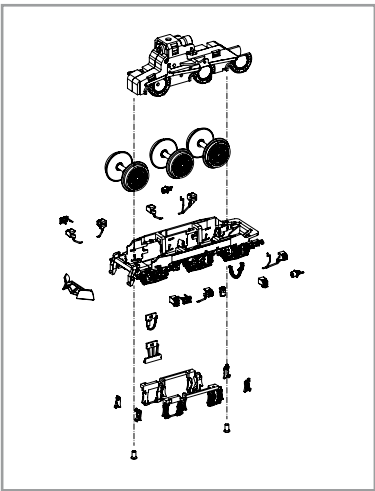
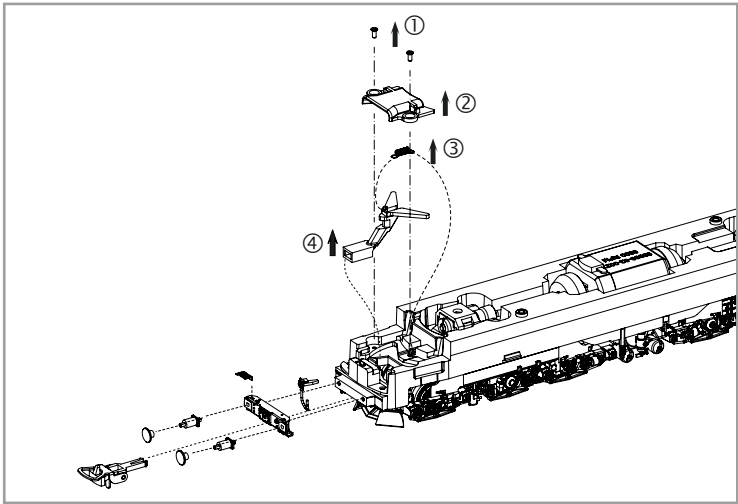
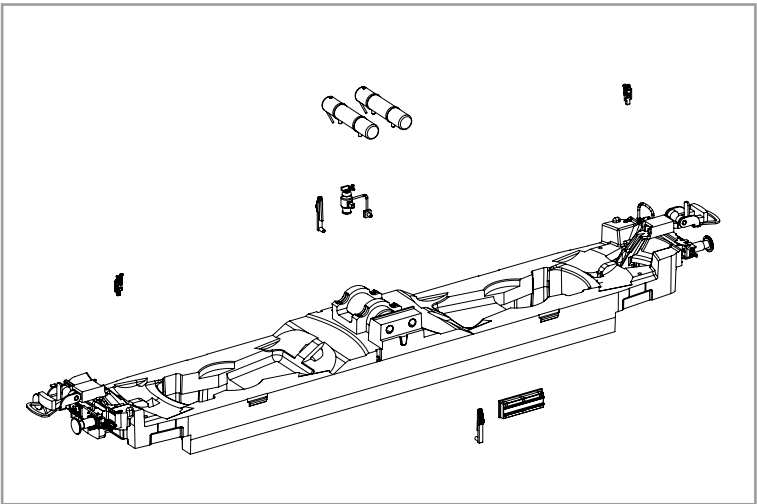
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Please save the DC Bridge! /  
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De brugstekker s.v.p. bewaren

Zurüstbauteile in AC-Version / Extension in AC version /  
Pièces pour Version AC / Bijkomende onderdelen AC-versie

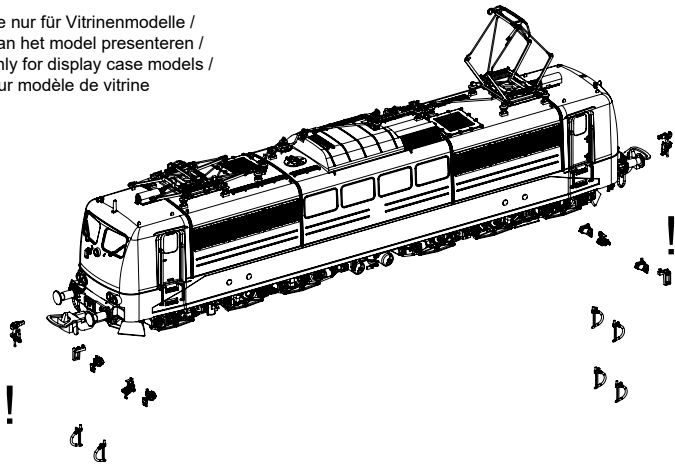
56423 PIKO SmartDecoder 4.1 Sound  
56423 PIKO SmartDecoder 4.1 Sound  
56423 PIKO SmartDecoder 4.1 Sound  
56423 PIKO SmartDecoder 4.1 Sound



Kabel von Lautsprecher auf Leiterplatte anlöten! /  
Solder cables of speakers on mainboard on! /  
Souder les câbles du haut parleur au circuit imprimé /  
Kabel van de luidspreker op de printplaat solderen!



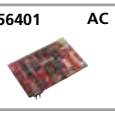
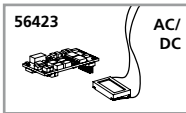
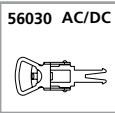
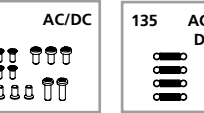
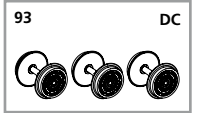
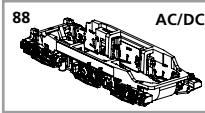
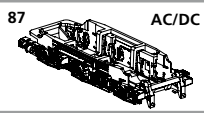
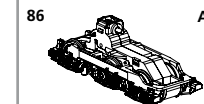
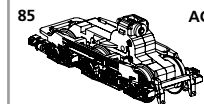
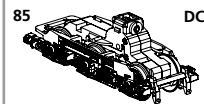
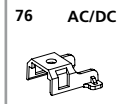
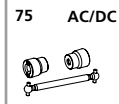
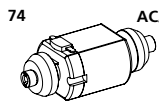
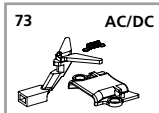
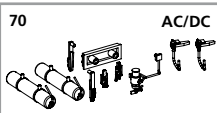
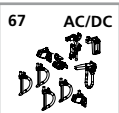
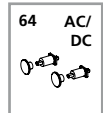
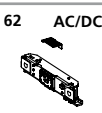
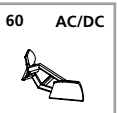
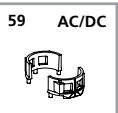
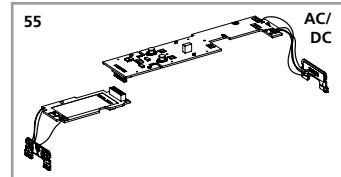
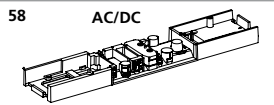
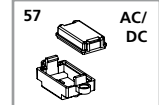
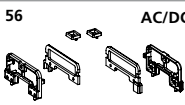
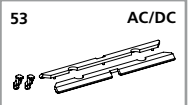
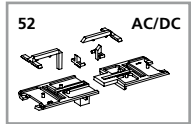
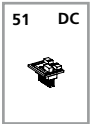
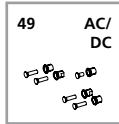
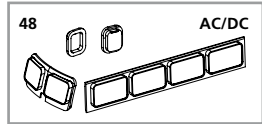
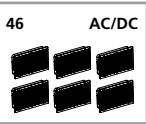
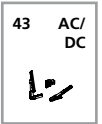
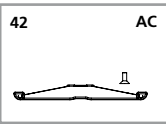
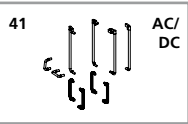
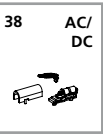
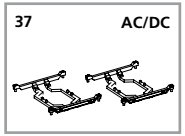
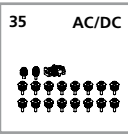
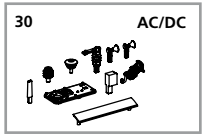
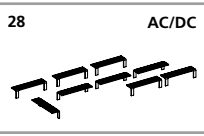
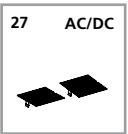
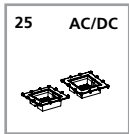
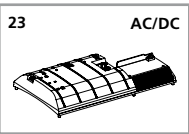
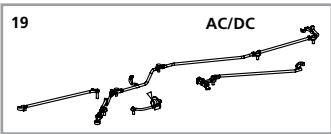
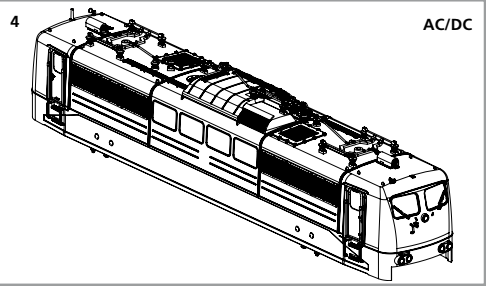
! Zurüstbauteile nur für Vitrinenmodelle /  
Detailing van het model presenteren /  
Extensions only for display case models /  
Détailage pour modèle de vitrine



## ERSATZTEILE ELEKTROLOKOMOTIVE BR 151

### Spare parts for Electric Locomotive BR 151

Bei Ersatzteilanforderung bitte immer die vollständige Ersatzteil-Nr. angeben • Please order the wanted spare part with the complete spare part item number.



| Bezeichnung / Description                                                                | ET-Nr. / spare part N° | PG* |
|------------------------------------------------------------------------------------------|------------------------|-----|
| Gehäuse komplett (ohne Stromabnehmer) / Body compete (w/o Panto)                         | 51310-04               | 18  |
| Dachleitungen / Roof cables                                                              | 51310-19               | 8   |
| Mitteldach / Middle roof                                                                 | 51302-23               | 7   |
| Rahmen Lüfter / Small grid plate-original                                                | 51302-25               | 7   |
| Dachlüftergitter (2 Stck.) / Roof fan grid (2 pcs.)                                      | 51302-27               | 8   |
| Dachlaufrost (9 Stck.) / Roof walk grid (9 pcs.)                                         | 51300-28               | 10  |
| Hauptschalter, Antenne / Main switch, Antenna                                            | 51310-30               | 9   |
| Isolatoren/ Insulators                                                                   | 51310-35               | 9   |
| Grundrahmen Stromabnehmer / Basic Frame Panto                                            | 51804-37               | 8   |
| Stromabnehmerantrieb / Pantograph drive                                                  | 51300-38               | 8   |
| Handläufe / Handrails                                                                    | 51302-41               | 9   |
| Scheibenwischer, Steckdose / Wiper, Plug                                                 | 51310-43               | 7   |
| Lüfter (6 Stck.) / Fan (6 pcs.)                                                          | 51300-46               | 7   |
| Fenster (4-tlg.) / Window (4 pcs.)                                                       | 51302-48               | 8   |
| Lampenringe mit Leuchtenhülsen / Lamp ring w lens                                        | 51300-49               | 7   |
| Leuchstäbe mit Abdeckungen / Light bars w covers                                         | 51302-52               | 8   |
| Lichtleiter Anfahrlicht Maschinenraum / Light bar start driving light engine room        | 51300-53               | 7   |
| Führerstand / Driver cab                                                                 | 51300-54               | 7   |
| Hauptplatine mit Beleuchtungsplatinen und Kabel / Main board with Light-boards and wires | 51300-55               | 15  |
| Abdeckungen Leiterplatten / Covers PCB's                                                 | 51300-56               | 7   |
| Gehäuse Lautsprecher + Abdeckung / Box for Loud Speaker + Cover                          | 51300-57               | 6   |
| Motorhalter / Motor cover                                                                | 51300-58               | 10  |
| Innenraum / Seats                                                                        | 51300-59               | 7   |
| Schienenräumer / Cow catcher                                                             | 51302-60               | 7   |
| Pufferbohle / Buffer base                                                                | 51302-62               | 8   |
| Puffer mit Pufferhülse / Buffer w buffer socket                                          | 51844-64               | 6   |
| Stromkupplung, Bremsschlauch, Kuppelhaken / Voltage coupler, Brake pipe, Coupler hook    | 51302-67               | 6   |
| Behälter, Batteriedeckel, Wendezugstecker / Box, Battery box cover, Train turning plug   | 51310-70               | 9   |
| Deichsel, Abdeckung, Feder / Drawbar, Cover, Spring                                      | 51302-73               | 8   |
| Motor, komplett / Motor, complet                                                         | 51300-74               | 15  |
| Kardanwelle + Buchsen / Ball shaft + bushes                                              | 51300-75               | 7   |
| Klammer / Clip                                                                           | 51300-76               | 6   |

| Bezeichnung / Description                                                                        | ET-Nr. / spare part N° | PG* |
|--------------------------------------------------------------------------------------------------|------------------------|-----|
| Drehgestell 1 / Bogie 1                                                                          | 51310-87               | 10  |
| Drehgestell 2 / Bogie 2                                                                          | 51310-88               | 10  |
| Schraubenset (15-tlg.) / Screws (set of 15)                                                      | 51300-94               | 7   |
| Feder (4 Stck.) / Spring (set of 4)                                                              | 59520-135              | 6   |
| Stromabnehmer / Pantograph                                                                       | 51804-150              | 12  |
| ET aus unserem Standard-Programm / Spare parts standard range                                    |                        |     |
| Haftreifen (10 Stck.) / Friction tyres (set of 10)                                               | 56028                  |     |
| Kupplung, vollst. (2 Stck.) / Coupling, complete (set of 2)                                      | 56030                  |     |
| PIKO SmartDecoder 4.1 Sound / PIKO SmartDecoder 4.1 Sound                                        | 56423                  |     |
| nur für DC-Version / only for DC version                                                         |                        |     |
| Brückenstecker / Strapping plug                                                                  | 59740-51               | 8   |
| Getriebe 1, komplett / Gearbox 1, complete                                                       | 51310-85               | 14  |
| Getriebe 2, komplett / Gearbox 2, complete                                                       | 51310-86               | 14  |
| Radsatz-Set (3 Stck.) / Wheelset (3 pcs.)                                                        | 51302-93               | 11  |
| ET aus unserem Standard-Programm (nur DC-version) / Spare parts standard range (only DC version) |                        |     |
| PIKO SmartDecoder 4.1 PluX22 DCC / PIKO SmartDecoder 4.1 PluX22 DCC                              | 56400                  |     |
| nur für AC-Version / only for AC version                                                         |                        |     |
| Schleifer mit Schraube / Slider with screw                                                       | 59380-42               | 10  |
| Getriebe 1, komplett / Gearbox 1, complete                                                       | 51311-85               | 14  |
| Getriebe 2, komplett / Gearbox 2, complete                                                       | 51311-86               | 14  |
| Radsatz-Set (3 Stck.) / Wheelset (3 pcs.)                                                        | 51303-93               | 11  |
| ET aus unserem Standard-Programm (nur AC-version) / Spare parts standard range (only AC version) |                        |     |
| PIKO SmartDecoder 4.1 PluX22 mfx / PIKO SmartDecoder 4.1 PluX22 mfx                              | 56401                  |     |

\*Preisgruppe \*price category