

Wij adviseren u om de loc ca. 25 min. zonder belasting te laten rijden in beide rijrichtingen, zodat het model soepel wordt ingereden en een goede trekkraft opbouwt. Houd er hierbij rekening mee, dat uitsluitend op schone rails een storingsvrij bedrijf is gewaarborgd.

The PIKO SmartDecoder X Sound Next18 is a powerful multiprotocol sound decoder of the newest generation. The decoder ensures a high-level noiseless sound experience. It can be used with DCC and Motorola® digital systems and it is also operable in analogue mode on DC and AC layouts. The decoder is RailCom® and RailComPlus® capable. The innovative PIKO SmartDecoder XP Sound independently recognizes the respective operating mode and has a wide range of setting options for the additional functions. The decoder works with an auto-adaptive motor control for a silky smooth operation and is suitable for a continuous current consumption of up to 1A. The amplified function outputs can handle up to 0.5A each. Its many braking section functions include ABC braking, ABC automatic shuttle, as well as ABC slow speed. The sound part can control fixed function outputs as well as the motor output of the decoder. For example, the lighting of a diesel locomotive flickers when the engine is started.

F0	Directional lighting	F10	Driver Cab Door	F20	Curve squeal sound
F1	Sound	F11	Driver Cab Window	F21	Rail clank sound
F2	Horn deep	F12	Talk #1	F22	Train lighting: the loco pushes
F3	Horn high	F13	Talk #2	F23	Train lighting: the loco pulls
F4	Double horn (high-deep)	F14	Shunting brake	F24	Volume control
F5	Conductors signal	F15	Coupling / Uncoupling	F25	Sound fader (tunnel mode)
F6	Hand pump - Oil	F16	Train brake		
F7	Shunting mode	F17	Dead man's switch (Sifa)		
F8	Hand brake	F18	Direction control switch		
F9	Compressor	F19	Sanding		

CV	Description	Area	Value*
1	Locomotive address	DCC: 1 - 127 Mot: 1 - 80	3
2	Minimum speed (the speed from 0 until the locomotive is running at speed step 1)	0 - 255	1
3	Acceleration delay	0 - 255	127
4	Braking rate	0 - 255	90
5	Maximum speed (must be greater than CV 2)	0 - 255	200
6	Average speed (must be greater than CV 2 and less than CV 5)	0 - 255	100
7	Software version (The processor can be updated)	-	differently.
8	anufacturer identification decoder reset, CV8 = 8	-	162
Decoder operating mode			
12	Bit 0 = 1: DC (analog operation; direct current) on	0 - 117	53
	Bit 1 = 1: DCC data format on		
	Bit 4 = 1: AC (analog 3-rail operation; alternating current) on		
	Bit 5 = 1: Motorola's data format on		
Long locomotive address			
17	17 = high Byte	1 - 10239	1000
18	18 = low Byte	192 - 231	186
		0 - 255	232
Brake signal settings (automatic stop)			
27	Bit 0 = 1 -> ABC (Automatic Brake Control) right rail positive	0 - 51	0
	Bit 1 = 1 -> ABC left rail positive		
	Bit 2 = 1 -> DC; opposite direction of travel		
	Bit 3 = 1 -> DC; same direction of travel		
DCC standard configuration			
29	Bit 0 = 0 Normal direction of travel	0 - 63	14
	Bit 0 = 1 Opposite direction of travel		
	Bit 1 = 0 14 speed steps		
	Bit 1 = 1 28 speed steps		
	Bit 2 = 0 Digital mode only		
	Bit 2 = 1 Automatic analog/digital recognition		
	Bit 3 = RailCom® turned off		
	Bit 3 = 1 RailCom® turned on		
	Bit 4 = 0 Speed steps over CV 2, 5, and 6		
	Bit 4 = 1 Use the characteristic curve from CV 67 - 94		
	Bit 5 = 0 Short address (CV 1)		
	Bit 5 = 1 Long address (CV 7718)		
30	Fault memory for motor, function outputs, temperature and sound 1 = fault motor, 2 = overheat, 4 = fault function outputs, 8 = fault sound flash, 16 = fault sound transmission	0 - 31	0

* Factory setting

40433-90-7010_V2

Auf die Rasthaken achten! /
Please note the hooks! /
S'il vous plaît notez les crochets! /
Let op de haken!

The diagram illustrates the assembly of the Bosch Power Tools Lithium-Ion Battery Pack (3.0 Ah) into the tool housing. It shows the battery pack, the tool housing, and the internal components of the tool. The battery pack is shown being inserted into the housing, with the internal components of the tool visible. The diagram includes a warning: 'Auf die Rasthaken achten! / Please note the hooks! / S'il vous plaît notez les crochets! / Let op de haken!'.

**wahlweise / alternatively /
au choix / naar keuze**

Zurüstbauteil nur für Vitrinenmodelle /
Extension only for display case models /
Détailage pour modèle de vitrine /
Accessoire uitsluitend voor vitrinemodellen!

Zurüstbauteile nur für Fahrbetrieb /
Extensions only for driving /
Détailage pour modèle fonctionnel /
Accessoire uitsluitend voor functioneel model



Zurüstbauteil nur für Vitrinenmodelle /
Extension only for display case models /
Détailage pour modèle de vitrine /
Accessoire uitsluitend voor vitrinemodellen

This diagram illustrates the exploded view of a machine tool assembly. The main body is shown with various components and mounting brackets. The components are labeled with numbers 1 through 10. The mounting brackets are labeled with letters A through J. The diagram shows the assembly of the machine tool, including the main body, the mounting brackets, and the various components. The exploded view shows the relative positions of the components and how they fit together.

#40431-44
PSD XP Sound Next18

Kabel von Lautsprecher auf Leiterplatte anlöten! /
Solder cables of speakers on mainboard! /
Câble souder des haut-parleurs à bord! /
Kabel van de luidspreker op de printplaat solderen!

Auf die Rasthaken achten! /
Please note the hooks! /
S'il vous plaît notez les crochets! /
Let op de haken!

Zurüstbauteil nur für Vitrinenmodelle /
Extension only for display case models /
Détailage pour modèle de vitrine /
Accessoire uitsluitend voor vitrinemodellen!

Drehgestell vorne /
Bogie front /
Bogie devant /
Bogie vooraan

1
6
6
6
5
4
3
2

Drehgestell hinten /
Bogie rear /
Bogie arrière /
Bogie achter

6
6
5
3
2
4

ERSATZTEILE DIESELLOKOMOTIVE 2400 NS N

Spare parts for diesel locomotive 2400 NS N

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

2

6

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139

41

44

100

46240

56330

Bezeichnung / Description	ET-Nr. / spare part N°	PG*
Motorhaube, vollständig / Engine cowling-four lights	40432-02	13
Führerhaus, vollständig / Driver cab	40432-06	11
Fenster / Window	40432-08	8
Leuchstäbe / Light bars	40420-09	7
Signalhalter, Deckel Motorhaube, Schlot / Signal holder, Roof ventilator, Chimney	40432-13	8
Handstangen / Handrails	40428-16	10
Bremsschläuche, Kupplungshaken, Heizungsstecker / Brake pipes, Coupler hook, Heating plug	40420-17	7
Puffer / Buffer	40422-18	6
Wasserabscheider, Sandschläuche / Filter-water pipe, Sand pipes	40426-19	6
Schienenräumer (2 Stück) / Cow catcher (2 pcs.)	40426-20	7
Pufferbohle geschlossen (2 Stück) / Buffer beam-closed (2 pcs.)	40426-21	7
Rahmen / Frame	40432-23	12
Abdeckung Lautsprecher mit Kontakten / Cover loud speaker w contacts	40420-24	6
Tank / Tank	40426-25	8
Motor, komplett / Motor, complete	40420-26	14
Klammer Getriebe, vorne-hinten / Clamp Bogie, front-rear	40420-27	6
Getriebe, vorne / Borgie, front	40426-28	10
Getriebe, hinten / Borgie, rear	40426-29	11
Radsatz ohne Zahnrad (2 Stück) / Wheelset w/o gear wheel (2 pcs.)	40420-30	9
Radsatz mit Zahnrad und mit Haftreifen (2 Stück) / Wheelset w gear wheel and friction tyres (2 pcs.)	40420-31	9
Drehgestellblenden mit Bremsbacken, vorne / Bogie w brake shoe, front	40426-32	8
Drehgestellblenden mit Bremsbacken, hinten / Bogie w brake shoe, rear	40426-33	8

Bezeichnung / Description	ET-Nr. / spare part N°	PG*
Kupplungsschacht (2 Stück) / Coupler box (2 pcs.)	40420-34	6
Getriebeabdeckung, vorne offen / Gear box cover, front open	40426-35	6
Getriebeabdeckung, vorne geschlossen / Gear box cover, front close	40426-36	6
Getriebeabdeckung, hinten offen / Gear box cover, rear open	40426-37	6
Getriebeabdeckung, hinten geschlossen / Gear box cover, rear close	40426-38	6
Schrauben / Screws	40422-139	6
Leiterplatte mit Beleuchtungsplatinen und Kabel / PCB w light PCB and cables	40422-41	15
PIKO SmartDecoder XP Sound Next18 / PIKO SmartDecoder XP Sound Next18	40431-44	22
Kupplung (2 Stück) / Coupling (2 pcs.)	40350-100	6
ET aus unserem Standard-Programm / Spare parts standard range		
Haftreifen (10 Stck.) / Traction tires (set of 10)	46240	
Ersatzlautsprecher / Replacement loudspeaker	56330	

*Preisgruppe *price category

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