

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Arnold - Rivarossi	ARNOLD 81210-81	ARNOLD Digital			unspecified	
Atlas	Four Function Dual Mode	Four Function Dual Mode				
Atlas	Four Function #345 H15-44/H16-44	Four Function #345				
Atlas	Dual Mode	Dual Mode				
Atlas	VO1000 (Part #500099)	Atlas N-Scale				
Broadway Limited Imports, LLC	Diesel	Paragon 2			9pin	
Broadway Limited Imports, LLC	Steam	Paragon 2			9pin	
Broadway Limited Imports, LLC	Diesel	Blueline			9pin	
Broadway Limited Imports, LLC	Steam	Blueline				
Bachmann Trains	2 function decoder (36-552)	E-Z Command decoders	1A		NMRAmedium	yes
Bachmann Trains	1 function decoder (36-551)	E-Z Command decoders				
Bachmann Trains	4 function decoder (36-550)	E-Z Command decoders	1A		NMRAmedium	
CML Systems	DAC10	DAC10				
CML Systems	DAC20	DAC20				
CT Elektronik	DCX30	Function Decoder	0.8 Amp per group	1.6 Amp		
CT Elektronik	DCX30V	Function Decoder	0.8 Amp per group	1.6 Amp		
CT Elektronik	DCX74D	DCX Series (v.66 and higher)	1.6 A	0.8 A		
CT Elektronik	DCX74DV	DCX Series (v.66 and higher)	1.6 A	0.8 A		
CT Elektronik	DCX74z	DCX Series (v.66 and higher)	1:00 AM	1:00 AM		
CT Elektronik	DCX75	DCX Series (v.66 and higher)	1.0A, peak=2A for 3 sec.	1.0A		
CT Elektronik	DCX74D	DCX Series (v.27 and higher)	1.6 A	0.8 A		
CT Elektronik	DCX74DV	DCX Series (v.27 and higher)	1.6 A	0.8 A		
CT Elektronik	DCX74z	DCX Series (v.27 and higher)	1:00 AM	1:00 AM		
CT Elektronik	DCX75	DCX Series (v.27 and higher)	1.0A, peak=2A for 3 sec.	1.0A		
CT Elektronik	DCX50	DCX Series (old)	1.2 Amp	1.2 Amp		
CT Elektronik	DCX70	DCX Series (old)	0.8 Amp	0.8 Amp		
CT Elektronik	DCX73	DCX Series (old)	0.8 Amp	0.8 Amp		
CT Elektronik	GE70	Sound Decoder				
CT Elektronik	SL 51	Sound Decoder SL (v.26 up)				
CT Elektronik	SL 74	Sound Decoder SL (v.26 up)				

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CT Elektronik	SL 51	Sound Decoder SL 51				
CT Elektronik	SL 51	Sound Decoder SL (v100 up)				
CT Elektronik	SL 75	Sound Decoder SL (v100 up)				
CT Elektronik	SL 51	Sound Decoder SL (v.40 up)				
CT Elektronik	SL 74	Sound Decoder SL (v.40 up)				
CT Elektronik	SL 75	Sound Decoder SL (v.40 up)				
CVP Products	AD4	AD4				yes
CVP Products	AD4LC	Enhanced AD4				
CVP Products	AD4MC	Enhanced AD4				
CVP Products	AD4HC	Enhanced AD4				
DCC Concepts	Red Sleeve 2 Function	DCC Concepts Loco Decoders	1.3A (peak=2A)			
DCC Concepts	Blue Sleeve 4 Function	DCC Concepts Loco Decoders	1.3A (peak=2A)			
Digitrax	DG383	Series 3 with FX3, silent, readback	3A (peak=5A)		9pin	
Digitrax	DG583	Series 3 with FX3, silent, readback	5A (peak=10A)		9pin	
Digitrax	DH163	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DH163AT	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DH163A0	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DH163D	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DH163IP	Series 3 with FX3, silent, readback	1.5A (peak=2A)		NMRAmedium	
Digitrax	DH163K0	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DH163L0	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DH163P	Series 3 with FX3, silent, readback	1.5A (peak=2A)		NMRAmedium	
Digitrax	DH163PS	Series 3 with FX3, silent, readback	1.5A (peak=2A)		NMRAmedium	
Digitrax	DH165A0	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DH165IP	Series 3 with FX3, silent, readback	1.5A (peak=2A)		NMRAmedium	
Digitrax	DH165K0	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DH165K1A	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DH165L0	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DH165Q1	Series 3 with FX3, silent, readback	1.5A (peak=2A)			
Digitrax	DN123K3	Series 3 with FX3, silent, readback	1.25A (peak=2A)		9pin	
Digitrax	DN143	Series 3 with FX3, silent, readback	1.25A (peak=2A)		9pin	
Digitrax	DN143IP	Series 3 with FX3, silent, readback	1.A (peak=1.5A)		NMRAmedium	
Digitrax	DN143K1	Series 3 with FX3, silent, readback	1.25A (peak=2A)		9pin	
Digitrax	DN143K2	Series 3 with FX3, silent, readback	1.25A (peak=2A)		9pin	
Digitrax	DN163	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DN163A0	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	

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Digitrax	DN163A1	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DN163A2	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DN163I0	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DN163I1A	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DN163I1B	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DN163I1C	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DN163K0A	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DN163K0B	Series 3 with FX3, silent, readback	1.0A (peak=2A)		9pin	
Digitrax	DN163K0D	Series 3 with FX3, silent, readback	1.0A (peak=2A)		9pin	
Digitrax	DN163K1A	Series 3 with FX3, silent, readback	1.0A (peak=1.25A)		9pin	
Digitrax	DN163K1B	Series 3 with FX3, silent, readback	1.0A (peak=1.25A)		9pin	
Digitrax	DN163K1C	Series 3 with FX3, silent, readback	1.0A (peak=1.25A)		9pin	
Digitrax	DN163K1D	Series 3 with FX3, silent, readback	1.0A (peak=1.25A)			
Digitrax	DN163K2	Series 3 with FX3, silent, readback	1.5A (peak=2A)		9pin	
Digitrax	DN163M0	Series 3 with FX3, silent, readback	1.5A (peak=1.5A)		9pin	
Digitrax	DN163PS	Series 3 with FX3, silent, readback	1.5A (peak=1.5A)		9pin	
Digitrax	DZ123	Series 3 with FX3, silent, readback	1A (peak=2A)		9pin	
Digitrax	DZ123MO	Series 3 with FX3, silent, readback	1A (peak=2A)		9pin	
Digitrax	DZ143	Series 3 with FX3, silent, readback	1.25A (peak=2A)		9pin	
Digitrax	DZ143PS	Series 3 with FX3, silent, readback	1.25A (peak=2A)		9pin	
Digitrax	DZ125	Series 3 with FX3, silent, readback	1A (peak=2A)		9pin	
Digitrax	DZ125PS	Series 3 with FX3, silent, readback	1A (peak=2A)		NMRAmedium	
Digitrax	DZ125IN	Series 3 with FX3, silent, readback	1A (peak=2A)		NMRAsmall	
Digitrax	SDN144A0	SFX Sound Decoders	1.0A (peak=2A)			
Digitrax	SDN144A1	SFX Sound Decoders	1.0A (peak=2A)			
Digitrax	SDN144K0A	SFX Sound Decoders	1.0A (peak=2A)			
Digitrax	SDN144K1E	SFX Sound Decoders	1.0A (peak=1.25A)			
Digitrax	SDN144PS	SFX Sound Decoders	1.0A (peak=2A)			
Digitrax	SDH164D	SFX Sound Decoders	1.0A (peak=2A)			
Digitrax	SDH164K1A	SFX Sound Decoders	1.0A (peak=2A)			
Digitrax	SDH164K1B	SFX Sound Decoders	1.0A (peak=2A)			
Digitrax	SDH164K1C	SFX Sound Decoders	1.0A (peak=2A)			
Digitrax	EVO GE Diesel	SFX Sound Decoders	1.5A (peak=2A)			
Digitrax	AC4400	SFX Sound Decoders	1.5A (peak=2A)			
Digitrax	SD38-2	SFX Sound Decoders	1.5A (peak=2A)			
Digitrax	F40PH	SFX Sound Decoders	1.5A (peak=2A)			

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Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Digitrax	SFX004	SFX Sound Only Decoders				
Digitrax	SFX0416	SFX Sound Only Decoders				
Digitrax	SFX064	SFX Sound Only Decoders				
Digitrax	DH142	Premium FX with BEMF				
Digitrax	DN141	Premium FX with BEMF				
Digitrax	DN142	Premium FX with BEMF				
Digitrax	DN141K2	Premium FX with BEMF				
Digitrax	DN141E2	Premium FX with BEMF				
Digitrax	DN149K2	Premium FX with BEMF				
Digitrax	DH083	Basic FX				
Digitrax	DH83FX	Basic FX				
Digitrax	DH84FX	Basic FX				
Digitrax	DH140	Basic FX				
Digitrax	DH150	Basic FX				
Digitrax	DH380	Basic FX				
Digitrax	DH580	Basic FX				
Digitrax	DG380	Basic FX				
Digitrax	DG580	Basic FX				
Digitrax	DN93FX	Basic FX				
Digitrax	DN140	Basic FX				
Digitrax	DN144	Basic FX				
Digitrax	DN145	Basic FX				
Digitrax	DN146	Basic FX				
Digitrax	DN147	Basic FX				
Digitrax	DN148	Basic FX				
Digitrax	DZ121	Basic CS				
Digitrax	DN122K2	Basic CS				
Digitrax	DH123	Economy Series 3 with FX3, silent			9pin	
Digitrax	DH123 Four Function	Economy Series 3 with FX3, silent			9pin	
Digitrax	DH121	Basic STD				
Digitrax	DN121	Basic STD*				
Digitrax	DN93	Basic STD*				
Digitrax	DH84	Basic STD*				
Digitrax	TF2	Function Only, with transponding				
Digitrax	TF4	Function Only, with transponding				
Digitrax	TL1	Function Only, with transponding				

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Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Digitrax	DH120	Early decoders				
Digitrax	DZ120	Early decoders				
Digitrax	DS54	DS54				
Electronic Solutions Ulm GmbH	EZ Command 3 function decoder (336-553)	Bachmann	0.7 A	1.05 A	NMRAmedium	
Electronic Solutions Ulm GmbH	EZ 3 function decoder (36-553)	Bachmann	0.7 A	1.05 A	NMRAmedium	
Electronic Solutions Ulm GmbH	LokPilot 2.0	ESU LokPilot 2.0	1.1 A	1.45 A	NMRAmedium	
Electronic Solutions Ulm GmbH	LokPilotDCC 2.0	ESU LokPilot 2.0	1.1 A	1.45 A	NMRAmedium	
Electronic Solutions Ulm GmbH	LokPilot micro 2.0	ESU LokPilot 2.0	0.5 A	0.78 A	NMRAsmall	
Electronic Solutions Ulm GmbH	LokPilot micro 3.0	ESU LokPilot 3.0	0.75 A	1.03 A	NMRAsmall	
Electronic Solutions Ulm GmbH	LokPilot micro DCC 3.0	ESU LokPilot 3.0	0.75 A	1.03 A	NMRAsmall	
Electronic Solutions Ulm GmbH	LokPilot 3.0	ESU LokPilot 3.0	1.1 A	1.6 A	NMRAmedium	
Electronic Solutions Ulm GmbH	LokPilot DCC 3.0	ESU LokPilot 3.0	1.1 A	1.6 A	NMRAmedium	
Electronic Solutions Ulm GmbH	LokPilot mfx 3.0	ESU LokPilot 3.0	1.1 A	1.6 A	NMRAmedium	
Electronic Solutions Ulm GmbH	LokPilot XL 3.0	ESU LokPilot 3.0	3.0 A	5.0 A	other	
Electronic Solutions Ulm GmbH	LokPilot Fx 3.0	ESU LokPilot 3.0	N/A	0.5 A	NMRAmedium	
Electronic Solutions Ulm GmbH	LokPilot Basic 1.0	ESU LokPilot Basic 1.0	0.7 A	1.05 A	NMRAmedium	
Electronic Solutions Ulm GmbH	LokPilot Basic 2.0	ESU LokPilot Basic 2.0	0.7 A	1.05 A	NMRAmedium	
Electronic Solutions Ulm GmbH	ESU_LokPilotDCC	ESU LokPilot Silent BEMF decoders				yes
Electronic Solutions Ulm GmbH	LokPilot V4.0	ESU LokPilot V4.0	1.1A			

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Electronic Solutions Ulm GmbH	LokPilot DCC V4.0	ESU LokPilot V4.0	1.1A			
Electronic Solutions Ulm GmbH	LokPilot Micro V4.0	ESU LokPilot V4.0	0.75A			
Electronic Solutions Ulm GmbH	LokPilot Micro DCC V4.0	ESU LokPilot V4.0	0.75A			
Electronic Solutions Ulm GmbH	ESU_LokSound2	ESU LokSound2 Silent BEMF/Sound decoders				
Electronic Solutions Ulm GmbH	ESU_LokSound3	ESU LokSound V3.0 Silent BEMF/Sound decoders				
Electronic Solutions Ulm GmbH	LokSound Version 3.5	ESU LokSound V3.5 Silent BEMF/Sound decoders	1.1A			
Electronic Solutions Ulm GmbH	LokSound Version 3.5 (21 pin)	ESU LokSound V3.5 Silent BEMF/Sound decoders	1.1A			
Electronic Solutions Ulm GmbH	LokSound V4.0 NEM652	ESU LokSound V4.0	1.1A			
Electronic Solutions Ulm GmbH	LokSound V4.0 21MTC	ESU LokSound V4.0	1.1A			
Electronic Solutions Ulm GmbH	LokSound Micro V4.0 NEM651	ESU LokSound V4.0	0.75A			
Electronic Solutions Ulm GmbH	LokSound Micro V4.0 NEM652	ESU LokSound V4.0	0.75A			
Electronic Solutions Ulm GmbH	LokSound Micro V4.0 Next18	ESU LokSound V4.0	0.75A			
Electronic Solutions Ulm GmbH	LokSoundXL Version 3.5	ESU LokSound V3.5 Silent BEMF/Sound decoders	3.0A			
Electronic Solutions Ulm GmbH	LokSound Select Alco 244	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select Alco 251	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select GE FDL	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select GE 7FDL	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select Baldwin	ESU LokSound Select	1.1A			

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Electronic Solutions Ulm GmbH	LokSound Select EMD 567	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select EMD 645E	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select EMD 645E/F	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select EMD 645 turbo	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select EMD 710GB	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select Switcher	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select Special	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select Steam 3 Driven Axles	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select Steam 4 Driven Axles	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select Steam Geared	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select Steam Articulated	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	LokSound Select Steam Collection	ESU LokSound Select	1.1A			
Electronic Solutions Ulm GmbH	Roco 10745 old	ESU Roco 10745	0.7 A	1.05 A	NMRAmedium	
Electronic Solutions Ulm GmbH	Roco 10745 v56	ESU Roco 10745	0.7 A	1.05 A	NMRAmedium	
Fleischmann	FMZ/Selectrix/DCC decoder	Fleischmann Loco Decoders	.6A			
Fleischmann	686401	Fleischmann function decoders		0.80 A		
Fleischmann	DCC Twin mode decoder	Fleischmann Loco Decoders	1.0A			
GFB Designs	TT300	Turnouts				
Haber and Koenig Electronics GmbH	NFA	NFA_HFA_DCC	0.8 A	1.2 A		
Haber and Koenig Electronics GmbH	HFA	NFA_HFA_DCC	0.8 A	1.2 A		

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Hornby	Sapphire-R8245	Sapphire-R8245	1.0A (peak=1.5A)		unspecified	
Hornby	R8249	R8249	0.5A	0.5A		yes
Hornby	DCC-Fitted (Motored)	Digital		0.5A		
Hornby	R8215	Digital		0.5A	NMRAmedium	
Hornby	DCC-Fitted Function Only (Unmotored trailers)	Digital				
Kato	Ditch Light Decoder	Ditch Light Decoder			unspecified	
Kato	FL11	Function Only, with transponding			unspecified	
Kato	FL12	Function Only, with transponding			unspecified	
Kato	EM13	EM13, silent, readback	1.0A (peak=1.5A)		unspecified	
Kuehn	N025	NMRA-DCC/Motorola	0.7 A	1:00 AM		
Kuehn	T125	NMRA-DCC/Motorola	1.1 A	1.4 A		
Kuehn	T145	NMRA-DCC/Motorola	1.1 A	2.0 A		
Kuehn	ZTC217	ZTC WhisperDrive				
Lenz	LE030	Lenz 4th gen BEMF decoders	0.7A	0.7A		
Lenz	LE040	Lenz 4th gen BEMF decoders	0.7A	0.7A		
Lenz	LE130	Lenz 4th gen BEMF decoders	1.0A	1.2A		
Lenz	LE135	Lenz 4th gen BEMF decoders	1.3A	1.5A		
Lenz	LE230	Lenz 4th gen BEMF decoders	2.5A	2.5A		yes
Lenz	LE010XF	Lenz 5th gen BEMF decoders				yes
Lenz	LE011XF	Lenz 5th gen BEMF decoders				
Lenz	LE130XF	Lenz 5th gen BEMF decoders				yes
Lenz	LE0521W	Lenz 5th gen BEMF decoders				yes
Lenz	LE0521D	Lenz 5th gen BEMF decoders				yes
Lenz	LE1024	Lenz 5th gen BEMF decoders				yes
Lenz	LE1025C	Lenz 5th gen BEMF decoders				
Lenz	LE4024	Lenz 5th gen BEMF decoders				yes
Lenz	LE080XS	Lenz SilentDrive decoders				yes
Lenz	LE0511	Lenz Drive-Select decoders				yes
Lenz	LE1014	Lenz Drive-Select decoders				
Lenz	Gold Mini	Lenz Gold with 6th gen BEMF	0.5A (peak=0.8A)			
Lenz	Gold	Lenz Gold with 6th gen BEMF	1.0A (peak=1.8A)			yes
Lenz	LE062XF	Lenz XF, precision glide decoders				yes
Lenz	LE063XF	Lenz XF, precision glide decoders				
Lenz	LE077XF	Lenz XF, precision glide decoders				yes
Lenz	LE102XF	Lenz XF, precision glide decoders				

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Lenz	LE103XF	Lenz XF, precision glide decoders				yes
Lenz	LE104XF	Lenz XF, precision glide decoders				yes
Lenz	LE105XF	Lenz XF, precision glide decoders				yes
Lenz	LE113XF	Lenz XF, precision glide decoders				yes
Lenz	LE1000A	Lenz Value Line decoders				yes
Lenz	LF100XF	Function Decoder				yes
Lenz	LF101XF	Function Decoder				
Lenz	Gold small wired - #10410-xx	Lenz Plus decoders released March 2010	0.5A (peak=0.8A)		unspecified	
Lenz	Gold small plugin - #10411-xx	Lenz Plus decoders released March 2010	0.5A (peak=0.8A)		unspecified	
Lenz	Gold JST - #10432-xx	Lenz Plus decoders released March 2010	1.0A (peak=1.8A)		unspecified	
Lenz	Gold NMRA - #10433-01	Lenz Plus decoders released March 2010	1.0A (peak=1.8A)		unspecified	
Lenz	Gold MAXI - #10440-xx	Lenz Plus decoders released March 2010	3.0A (peak=5.0A)		unspecified	
Lenz	Silver direct+ - #10330-01	Lenz Plus decoders released March 2010	1.0A (peak=1.8A)		unspecified	
Lenz	Silver	Lenz Silver with 6th gen BEMF	1.0A (peak=1.8A)			yes
Lenz	Silver Direct	Lenz Silver with 6th gen BEMF	1.1A (peak=1.8A)			
Lenz	Silver 21 Pin	Lenz Silver with 6th gen BEMF	1.1A (peak=1.8A)			
Lenz	Silver Mini	Lenz Silver with 6th gen BEMF	0.5A (peak=0.8A)			
Lenz	Standard	Lenz Standard	1A			
Lenz	LE1035	Lenz Ultra-Drive decoders				yes
Lenz	LE1835	Lenz Ultra-Drive decoders				yes
Lenz	LE103	Lenz version 4.1 decoders				yes
MERG	MERG 10	MERG decoders				
MERG	MERG 12a	MERG HF PWM decoders				
MERG	DCCACC4	ACC Decoders			unspecified	
MERG	DCCACC5 to V5.1	ACC Decoders			unspecified	
MERG	DCCACC5 from V5.2	ACC Decoders			unspecified	
MERG	DCCACC	DCCACC				
Public-domain and DIY	MERG-DIY 10	MERG decoders				
Public-domain and DIY	MERG-DIY 12a	MERG HF PWM decoders				
MRC	AD322	MRC 14/28/128 step decoders				

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MRC	AD310	MRC 14/28 step decoders				
MRC	AD330	MRC 14/28 step decoders	0.8A			
MRC	AD305	MRC 14 step decoders				
MRC	AD370	MRC AD370 Sound decoders				
MRC	Athearn Genesis SD45-2	Athearn		1.5A		
MRC	Athearn Big Boy and 4-8-4 FEF	Athearn		1.5A		
MRC	Athearn Big Boy and Challenger NScale	Athearn		1.5A		
MRC	Athearn Genesis Challenger	Athearn		1.5A		
MRC	Athearn Genesis F45/FP45	Athearn		1.5A		
MRC	Athearn Genesis F Unit	Athearn		1.5A		
MRC	Athearn Genesis MP 15	Athearn		1.5A		
MRC	Athearn SD45/SD60 MRC-1825	Athearn		1.5A		
MRC	Athearn Genesis Challenger	Athearn Genesis Challenger		1.5A		
MRC	Athearn Genesis F Unit	Athearn Genesis F Unit		1.5A		
MRC	TurboTrain	Rapido		0.75A	unspecified	
MRC	Synch Diesel Sound 1829	Sound Decoders		1.5A		
MRC	Synch Diesel Sound 1803 - HO Proto 2000 PA/PB Locomotives	Sound Decoders		0.75A		
MRC	5 Function decoder 1650	MRC Light Effect Decoders		1.5A		
MRC	Synch Diesel Sound 1626	Sound Decoders				
MRC	Synch Steam Sound 1627	Sound Decoders				
MRC	Synch Diesel Sound 1634	Sound Decoders		0.75A		
MRC	E unit and PA Stereo Diesel Sound 1902	Sound Decoders		1.5A		
MRC	Genset Diesel Sound 1906	Sound Decoders		1.5A		
MRC	Synch Steam Sound 1630	Brilliance Sound Decoders		1.5A	9pin	
MRC	Synch Diesel Sound 1631	Brilliance Sound Decoders		1.5A		
MRC	Synch Diesel Sound 1632	Brilliance Sound Decoders		1.5A		
MRC	Synch Diesel Sound 1633	Brilliance Sound Decoders		1.5A		
MRC	Synch Diesel Sound 1636	Brilliance Sound Decoders		0.75A		
MRC	Synch Steam Sound 1637	Brilliance Sound Decoders		1.5A	NMRAmedium	
MRC	Mini HO EMD Modern Large Diesel Sound 1638	Brilliance Sound Decoders		1.5A		
MRC	Mini HO/N Synch Steam Sound 1639	Brilliance Sound Decoders		1.5A	NMRAmedium	
MRC	Synch Diesel Sound 1644	Brilliance Sound Decoders		0.75A		
MRC	Synch Diesel Sound 1645	Brilliance Sound Decoders		0.75A		
MRC	Synch Steam Sound 1656	Brilliance Sound Decoders		1.5A		

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
MRC	Synch Diesel Sound 1658 - Kato N F3	Brilliance Sound Decoders		0.75A		
MRC	Synch Diesel Sound 1663 - Atlas S2/S4	Brilliance Sound Decoders		1.5A		
MRC	Synch Diesel Sound 1800 - HO UNIVERSAL ALCO/ SD60/SD70/F	Brilliance Sound Decoders		0.75A		
MRC	Synch Diesel Sound 1801 - HO DROP-IN ALCO/SD60/SD70/F	Brilliance Sound Decoders		0.75A		
MRC	Synch Diesel Sound 1802 - HO Scale KATO SD40-2	Brilliance Sound Decoders		0.75A		
MRC	Synch Diesel Sound 1805 - G.E. U23B Prime Mover	Brilliance Sound Decoders		0.75A		
MRC	Synch Diesel Sound 1806 - N Scale KATO SD40-2	Brilliance Sound Decoders		0.75A		
MRC	Synch Diesel Sound 1811 - G.E. U23B Prime Mover	Brilliance Sound Decoders		0.75A		
MRC	Synch Diesel Sound 1808 - N Scale KATO SD80 - SD90/43MAC	Brilliance Sound Decoders		0.75A		
MRC	Synch Diesel Sound 1810 - N Scale KATO F40PH	Brilliance Sound Decoders		0.75A		
MRC	Synch Diesel Sound 1812 - N Scale Atlas Short Board Dropin	Brilliance Sound Decoders		0.75A		
MRC	G Gauge Steam Decoder 1819	Brilliance Sound Decoders		5A		
MRC	Synch Diesel Sound 1820 - Athearn RS3	Brilliance Sound Decoders		1.5A		
MRC	Synch Diesel Sound 1827 - N - KATO	Brilliance Sound Decoders		1.0A		
MRC	Athearn Big Boy or Challenger	Brilliance Sound Decoders		1.5A		
MRC	Diesel Sound Decoder 1662 SD45-SW1500	MRC Sounder Decoders				
MRC	Steam Sound Decoder 1665	MRC Sounder Decoders				
MRC	Diesel Sound Decoder 1666 Alco244SD60-70	MRC Sounder Decoders				
Mikes Train House	MTH HO PS3	MTH HO PS3				
Massoth Elektronik, GmbH	Sound Module 63000	Champex-Linden			other	
Massoth Elektronik, GmbH	LGB MTS I 55020 loco decoders	LGB	1.5 A	2.0 A	other	
Massoth Elektronik, GmbH	LGB MTS II 55021 loco decoders	LGB	1.5 A	2.0 A	other	
Massoth Elektronik, GmbH	LGB MTS II 55022 small loco decoders	LGB	0.8 A	1:00 AM	other	
Massoth Elektronik, GmbH	LGB MTS II onboard loco decoders	LGB			other	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Massoth Elektronik, GmbH	LGB MTS 22592 with onboard sound decoder	LGB			other	
Massoth Elektronik, GmbH	LGB MTS III 55027 loco decoders	LGB	3:00 AM	4:00 AM	other	
Massoth Elektronik, GmbH	LGB MTS 6500x Sound Unit	LGB	? A	? A	other	
Massoth Elektronik, GmbH	PIKO 3612x	Massoth PIKO	3:00 AM	4:00 AM	other	
Massoth Elektronik, GmbH	eMOTION M	Massoth eMOTION	1.2 A	1.8 A	other	
Massoth Elektronik, GmbH	eMOTION L	Massoth eMOTION	1.8 A	2.8 A	other	
Massoth Elektronik, GmbH	eMOTION XL	Massoth eMOTION	3:00 AM	4:00 AM	other	
Massoth Elektronik, GmbH	eMOTION XXL	Massoth eMOTION	6:00 AM	7:00 AM	other	
Massoth Elektronik, GmbH	eMOTION S	Massoth eMOTION		370 mA	other	
Massoth Elektronik, GmbH	eMOTION S SUSI	Massoth eMOTION		370 mA	other	
Massoth Elektronik, GmbH	eMOTION LS	Massoth eMOTION	1.5 A	2.7 A	other	
Massoth Elektronik, GmbH	eMOTION XLS	Massoth eMOTION	3:00 AM	4:00 AM	other	
Massoth Elektronik, GmbH	eMOTION_8FL	Massoth eMOTION	N/A	1:00 AM	other	
Massoth Elektronik, GmbH	LED Lighting with Decoder	Massoth eMOTION	N/A	150 mA	other	
Mistral Train Models	GOLD V6	MISTRAL GOLD			unspecified	
Mistral Train Models	GOLD V7	MISTRAL GOLD			unspecified	
North Coast Engineering	D102EU	Non silent drive directional Lights				
North Coast Engineering	DA102EU	Non silent drive directional Lights				
North Coast Engineering	D104P2K	Non silent drive directional Lights				
North Coast Engineering	D104KRS	Non silent drive directional Lights				
North Coast Engineering	P2K-SW9	Non silent drive directional Lights				
North Coast Engineering	D102US	Non silent drive non-directional lights				
North Coast Engineering	DA102US	Non silent drive non-directional lights				
North Coast Engineering	D15SR	Silent Drive decoders				
North Coast Engineering	D14SRP	Silent Drive decoders				
North Coast Engineering	D13SR	Silent Drive decoders				
North Coast Engineering	DA-SR	Silent Drive decoders				
North Coast Engineering	P2K-SR	Silent Drive decoders				
North Coast Engineering	KRS-SR	Silent Drive decoders				
North Coast Engineering	SW9-SR	Silent Drive decoders				
North Coast Engineering	D408SR	Silent Drive decoders				
North Coast Engineering	NIMFT-A	Silent Drive decoders				
North Coast Engineering	NIMFT-B	Silent Drive decoders				
North Coast Engineering	N12SR	Silent Drive decoders				

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
North Coast Engineering	N12A0	Silent Drive decoders				
North Coast Engineering	N12A1	Silent Drive decoders				
North Coast Engineering	N12K0a	Silent Drive decoders				
North Coast Engineering	N12K1a	Silent Drive decoders				
North Coast Engineering	N12K2	Silent Drive decoders				
North Coast Engineering	D12IP	Silent Running w/ Torque Compensation	1.3A (peak=2A)		NMRAMedium	
North Coast Engineering	D13SR	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	D13SRP	Silent Running w/ Torque Compensation	1.3A (peak=2A)		NMRAMedium	
North Coast Engineering	D13SRJ	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	D14SR	Silent Running w/ Torque Compensation	1A (peak=1.5A)		NMRAMedium	
North Coast Engineering	D14SRP	Silent Running w/ Torque Compensation	1.3A (peak=2A)		NMRAMedium	
North Coast Engineering	D15SR	Silent Running w/ Torque Compensation	1.3A (peak=2A)		9pin	
North Coast Engineering	D15SRP	Silent Running w/ Torque Compensation	1.3A (peak=2A)		NMRAMedium	
North Coast Engineering	D18SR	Silent Running w/ Torque Compensation	1.3A (peak=2A)		NMRAMedium	
North Coast Engineering	D18SR-PSC	Silent Running w/ Torque Compensation	1.3A (peak=2A)		NMRAMedium	
North Coast Engineering	ATLS4	Silent Running w/ Torque Compensation	1A (peak=1.25A)			
North Coast Engineering	BACH-DSL	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	DA-SR	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	KRS-SR	Silent Running w/ Torque Compensation	1.3A (peak=2A)		NMRAMedium	
North Coast Engineering	P2K-SR	Silent Running w/ Torque Compensation	1.3A (peak=2A)		NMRAMedium	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
North Coast Engineering	SW9-SR	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	D408SR	Silent Running w/ Torque Compensation	4A (peak=10A)		9pin	
North Coast Engineering	D408SR V3.6	Silent Running w/ Torque Compensation	4A (peak=10A)		9pin	
North Coast Engineering	D808SR	Silent Running w/ Torque Compensation	8A (peak=30A)			
North Coast Engineering	ATL-O	Silent Running w/ Torque Compensation	4A (peak=10A)			
North Coast Engineering	N12SR	Silent Running w/ Torque Compensation	1A (peak=1.25A)			
North Coast Engineering	N12SRP	Silent Running w/ Torque Compensation	1A (peak=1.25A)		NMRAMedium	
North Coast Engineering	N14SR	Silent Running w/ Torque Compensation	1A (peak=1.25A)			
North Coast Engineering	N14SRP	Silent Running w/ Torque Compensation	1A (peak=1.25A)			
North Coast Engineering	N14IP	Silent Running w/ Torque Compensation	1A (peak=1.25A)			
North Coast Engineering	N12A0	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	N12A0e	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	N12A1	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	N12A2	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	NAVO	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	NIMF3	Silent Running w/ Torque Compensation	1A (peak=1.25A)			
North Coast Engineering	NIMFT-A	Silent Running w/ Torque Compensation	1A (peak=1.25A)			
North Coast Engineering	NIMFT-B	Silent Running w/ Torque Compensation	1A (peak=1.25A)			

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
North Coast Engineering	NMP	Silent Running w/ Torque Compensation	1.3A (peak=2A)			
North Coast Engineering	Z14SR	Silent Running w/ Torque Compensation	1A (peak=1.25A)			
North Coast Engineering	Z14SRP	Silent Running w/ Torque Compensation	1A (peak=1.25A)			
North Coast Engineering	FDT Trackmobile	Silent Running w/ Torque Compensation				
North Coast Engineering	D408SR-E	Silent Running BEMF	4A (peak=10A)		9pin	
New York Byano Limited	NYB Dual Mode Decoder	NYB Dual Mode Decoder			unspecified	yes
QSIndustries	BLI AC5 Cab Forward 4-8-8-2	QSI Articulated Steam				
QSIndustries	BLI N-W Class A 2-6-6-4	QSI Articulated Steam				
QSIndustries	BLI Pensy Duplex T1 4-4-4-4	QSI Articulated Steam				
QSIndustries	Lionel Challenger 4-6-6-4	QSI Articulated Steam				
QSIndustries	BLI N-W Class A	QSI Articulated Steam Ver. 6				
QSIndustries	BLI Pennsy Duplex T1	QSI Articulated Steam Ver. 6				
QSIndustries	BLI Cab Forward AC4,AC5 (Reed	QSI Articulated Steam Ver. 6				
QSIndustries	Life Like USRA 2-8-8-2	QSI Articulated Steam Ver. 6				
QSIndustries	QSI Revolution Articulated Steam	QSI Articulated Steam Ver. 7				
QSIndustries	QSI Magnum Articulated Steam	QSI Articulated Steam Ver. 7				
QSIndustries	QSI Magnum Articulated Steam	QSI Articulated Steam Ver. 7				
QSIndustries	Q1 Pot	QSI Articulated Steam Ver. 7				
QSIndustries	Q1 Reed	QSI Articulated Steam Ver. 7				
QSIndustries	BLI NW Class A	QSI Articulated Steam Ver. 7				
QSIndustries	BLI PRR Duplex T1	QSI Articulated Steam Ver. 7				
QSIndustries	BLI PRR Duplex T1 (Reed Switch)	QSI Articulated Steam Ver. 7				
QSIndustries	BLI SP Cab Forward AC4,AC5 (Pot)	QSI Articulated Steam Ver. 7				
QSIndustries	BLI SP Cab Forward AC4,AC5 (Reed	QSI Articulated Steam Ver. 7				
QSIndustries	Eureka NSWGR AD60 Beyer-Garatt	QSI Articulated Steam Ver. 7				
QSIndustries	Lionel UP Challenger	QSI Articulated Steam Ver. 7				
QSIndustries	P2k NW Class Y3	QSI Articulated Steam Ver. 7				
QSIndustries	P2k USRA 2-8-8-2	QSI Articulated Steam Ver. 7				
QSIndustries	Sunset NP 4-6-6-4	QSI Articulated Steam Ver. 7				
QSIndustries	P2k N USRA 2-8-8-2	QSI Articulated Steam Ver. 7				
QSIndustries	BLI E7A/B	QSI Diesel				
QSIndustries	Atlas B23-7	QSI Diesel Ver. 6				

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
QSIindustries	Atlas Dash 8-40CW,B	QSI Diesel Ver. 6				
QSIindustries	Atlas Dash 8-40CW,C	QSI Diesel Ver. 6				
QSIindustries	Atlas Dash 8-40CW,C (GE pump)	QSI Diesel Ver. 6				
QSIindustries	Atlas FM w/Mars	QSI Diesel Ver. 6				
QSIindustries	Atlas FM wo/Mars	QSI Diesel Ver. 6				
QSIindustries	Atlas MP-15DC	QSI Diesel Ver. 6				
QSIindustries	Atlas SD24/26	QSI Diesel Ver. 6				
QSIindustries	BLI AC6000	QSI Diesel Ver. 6				
QSIindustries	BLI E3/E6 w/Mars	QSI Diesel Ver. 6				
QSIindustries	BLI E3/E6 wo/Mars	QSI Diesel Ver. 6				
QSIindustries	BLI E7 w/Mars	QSI Diesel Ver. 6				
QSIindustries	BLI E7 wo/Mars	QSI Diesel Ver. 6				
QSIindustries	BLI E3/E6 w/Mars	QSI Diesel Ver. 6				
QSIindustries	BLI E3/E6 wo/Mars	QSI Diesel Ver. 6				
QSIindustries	BLI F7	QSI Diesel Ver. 6				
QSIindustries	BLI E8/E9 w/Mars	QSI Diesel Ver. 6				
QSIindustries	BLI E8/E9 wo/Mars	QSI Diesel Ver. 6				
QSIindustries	BLI GE C30-7	QSI Diesel Ver. 6				
QSIindustries	BLI RSD-15	QSI Diesel Ver. 6				
QSIindustries	BLI SD40	QSI Diesel Ver. 6				
QSIindustries	BLI SD40 (Reed Switch)	QSI Diesel Ver. 6				
QSIindustries	BLI SW7/NW2	QSI Diesel Ver. 6				
QSIindustries	CHC RS 10	QSI Diesel Ver. 6				
QSIindustries	CHC RS 18	QSI Diesel Ver. 6				
QSIindustries	Eureka NSW 620/720	QSI Diesel Ver. 6				
QSIindustries	InterMtn F7	QSI Diesel Ver. 6				
QSIindustries	Life Like E6 w/Mars	QSI Diesel Ver. 6				
QSIindustries	Life Like E6 wo/Mars	QSI Diesel Ver. 6				
QSIindustries	Life Like E8/E9 w/Mars	QSI Diesel Ver. 6				
QSIindustries	Life Like E8/E9 wo/Mars	QSI Diesel Ver. 6				
QSIindustries	Life Like GP9	QSI Diesel Ver. 6				
QSIindustries	Life Like GP20	QSI Diesel Ver. 6				
QSIindustries	Life Like RS27 ALCO	QSI Diesel Ver. 6				
QSIindustries	Life Like SW8	QSI Diesel Ver. 6				
QSIindustries	Life Like U28B/30B	QSI Diesel Ver. 6				
QSIindustries	Life Like U30B	QSI Diesel Ver. 6				

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
QSIindustries	Walthers GP30	QSI Diesel Ver. 6				
QSIindustries	QSI Revolution Diesel	QSI Diesel Ver. 7				
QSIindustries	QSI Revolution RDC	QSI Diesel Ver. 7				
QSIindustries	QSI Magnum Diesel	QSI Diesel Ver. 7				
QSIindustries	QSI Magnum RDC	QSI Diesel Ver. 7				
QSIindustries	Q1 Pot	QSI Diesel Ver. 7				
QSIindustries	Q1 Reed	QSI Diesel Ver. 7				
QSIindustries	Atlas B23-7	QSI Diesel Ver. 7				
QSIindustries	Atlas B23-7 w/market	QSI Diesel Ver. 7				
QSIindustries	Atlas C-420	QSI Diesel Ver. 7				
QSIindustries	Atlas C-420 w/Mars	QSI Diesel Ver. 7				
QSIindustries	Atlas Dash 8-40B/BW	QSI Diesel Ver. 7				
QSIindustries	Atlas Dash 8-40B/BW w/beacon	QSI Diesel Ver. 7				
QSIindustries	Atlas Dash 8-40C/CW	QSI Diesel Ver. 7				
QSIindustries	Atlas Dash 8-40C/CW (GE pump)	QSI Diesel Ver. 7				
QSIindustries	Atlas GP38	QSI Diesel Ver. 7				
QSIindustries	Atlas GP40	QSI Diesel Ver. 7				
QSIindustries	Atlas GP40-2 w/Mars	QSI Diesel Ver. 7				
QSIindustries	Atlas GP40-2 wo/Mars	QSI Diesel Ver. 7				
QSIindustries	Atlas HH660	QSI Diesel Ver. 7				
QSIindustries	Atlas MP-15DC	QSI Diesel Ver. 7				
QSIindustries	Atlas SD24/26	QSI Diesel Ver. 7				
QSIindustries	Atlas SD35 P3 horn	QSI Diesel Ver. 7				
QSIindustries	Atlas SD35 H4710 whistle	QSI Diesel Ver. 7				
QSIindustries	Atlas TM w/Mars	QSI Diesel Ver. 7				
QSIindustries	Atlas TM wo/Mars	QSI Diesel Ver. 7				
QSIindustries	Atlas U30B w/Mars	QSI Diesel Ver. 7				
QSIindustries	Atlas U30B	QSI Diesel Ver. 7				
QSIindustries	Atlas U30C	QSI Diesel Ver. 7				
QSIindustries	BLI AC6000	QSI Diesel Ver. 7				
QSIindustries	BLI C30-7	QSI Diesel Ver. 7				
QSIindustries	BLI E3/E6 w/Mars	QSI Diesel Ver. 7				
QSIindustries	BLI E3/E6 wo/Mars	QSI Diesel Ver. 7				
QSIindustries	BLI E3/E6 w/Mars	QSI Diesel Ver. 7				
QSIindustries	BLI E3/E6 wo/Mars	QSI Diesel Ver. 7				
QSIindustries	BLI E7 w/Mars	QSI Diesel Ver. 7				

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
QSIindustries	BLI E7 w/Mars	QSI Diesel Ver. 7				
QSIindustries	BLI E7 wo/Mars	QSI Diesel Ver. 7				
QSIindustries	BLI E8/E9 w/Mars	QSI Diesel Ver. 7				
QSIindustries	BLI E8/E9 wo/Mars	QSI Diesel Ver. 7				
QSIindustries	BLI F7	QSI Diesel Ver. 7				
QSIindustries	BLI F7 w/ Dynamics	QSI Diesel Ver. 7				
QSIindustries	BLI RSD-15	QSI Diesel Ver. 7				
QSIindustries	BLI SD40-2	QSI Diesel Ver. 7				
QSIindustries	BLI SD40-2 (Reed Switch)	QSI Diesel Ver. 7				
QSIindustries	BLI SW7/NW2	QSI Diesel Ver. 7				
QSIindustries	BLI SW7/NW2 (Reed Switch)	QSI Diesel Ver. 7				
QSIindustries	CHC C-Liner	QSI Diesel Ver. 7				
QSIindustries	CHC RS 10	QSI Diesel Ver. 7				
QSIindustries	CHC RS 18	QSI Diesel Ver. 7				
QSIindustries	Eureka Class 40	QSI Diesel Ver. 7				
QSIindustries	Eureka CPH/CTH Railmotor	QSI Diesel Ver. 7				
QSIindustries	Eureka NSW 620/720	QSI Diesel Ver. 7				
QSIindustries	InterMtn F7	QSI Diesel Ver. 7				
QSIindustries	InterMtn U18B w/Mars	QSI Diesel Ver. 7				
QSIindustries	InterMtn U18B	QSI Diesel Ver. 7				
QSIindustries	P2k E6 w/Mars	QSI Diesel Ver. 7				
QSIindustries	P2k E6 wo/Mars	QSI Diesel Ver. 7				
QSIindustries	P2k E7 w/Mars	QSI Diesel Ver. 7				
QSIindustries	P2k E7 wo/Mars	QSI Diesel Ver. 7				
QSIindustries	P2k E7A w/Mars	QSI Diesel Ver. 7				
QSIindustries	P2k E7A	QSI Diesel Ver. 7				
QSIindustries	P2k E7B	QSI Diesel Ver. 7				
QSIindustries	P2k E8/E9 w/Mars	QSI Diesel Ver. 7				
QSIindustries	P2k E8/E9 wo/Mars	QSI Diesel Ver. 7				
QSIindustries	P2k F3A w/Mars	QSI Diesel Ver. 7				
QSIindustries	P2k F3A	QSI Diesel Ver. 7				
QSIindustries	P2k F7B	QSI Diesel Ver. 7				
QSIindustries	P2k F7A w/Mars	QSI Diesel Ver. 7				
QSIindustries	P2k F7A	QSI Diesel Ver. 7				
QSIindustries	P2k F7B	QSI Diesel Ver. 7				
QSIindustries	P2k GP7 w/Mars	QSI Diesel Ver. 7				

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
QSIindustries	P2k GP7 wo/Mars	QSI Diesel Ver. 7				
QSIindustries	P2k GP7/9 db	QSI Diesel Ver. 7				
QSIindustries	P2k GP7/9 non db	QSI Diesel Ver. 7				
QSIindustries	P2k GP9	QSI Diesel Ver. 7				
QSIindustries	P2k GP20	QSI Diesel Ver. 7				
QSIindustries	P2k GP30	QSI Diesel Ver. 7				
QSIindustries	P2k H10-44	QSI Diesel Ver. 7				
QSIindustries	P2k RS27	QSI Diesel Ver. 7				
QSIindustries	P2k SD7/9 db	QSI Diesel Ver. 7				
QSIindustries	P2k SD7/9 non db	QSI Diesel Ver. 7				
QSIindustries	P2k SW8	QSI Diesel Ver. 7				
QSIindustries	P2k SW9/1200	QSI Diesel Ver. 7				
QSIindustries	P2k U28B/30B	QSI Diesel Ver. 7				
QSIindustries	Tenshodo DD-51	QSI Diesel Ver. 7				
QSIindustries	G USA GP38	QSI Diesel Ver. 7				
QSIindustries	O Atlas C424	QSI Diesel Ver. 7				
QSIindustries	O Atlas C628	QSI Diesel Ver. 7				
QSIindustries	O Atlas Dash 8-40B	QSI Diesel Ver. 7				
QSIindustries	O Atlas Erie Built	QSI Diesel Ver. 7				
QSIindustries	O Atlas F2	QSI Diesel Ver. 7				
QSIindustries	O Atlas GP9	QSI Diesel Ver. 7				
QSIindustries	O Atlas GP35	QSI Diesel Ver. 7				
QSIindustries	O Atlas GP60	QSI Diesel Ver. 7				
QSIindustries	O Atlas MP15	QSI Diesel Ver. 7				
QSIindustries	O Atlas RS-1	QSI Diesel Ver. 7				
QSIindustries	O Atlas SD35	QSI Diesel Ver. 7				
QSIindustries	O Atlas SD40	QSI Diesel Ver. 7				
QSIindustries	O Atlas SW7	QSI Diesel Ver. 7				
QSIindustries	BLI GG-1	QSI Electric				
QSIindustries	QSI Revolution Electric	QSI Electric Ver. 7				
QSIindustries	QSI Magnum Electric	QSI Electric Ver. 7				
QSIindustries	Q1 Pot	QSI Electric Ver. 7				
QSIindustries	Q1 Reed	QSI Electric Ver. 7				
QSIindustries	BLI GG-1	QSI Electric Ver. 7				
QSIindustries	Tenshodo EF58	QSI Electric Ver. 7				
QSIindustries	Charles Row G GG-1	QSI Electric Ver. 7				

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
QSIindustries	Lionel Veranda Turbine	QSI Gas Turbine				
QSIindustries	QSI Revolution Turbine	QSI Gas Turbine Ver. 7				
QSIindustries	QSI Magnum Turbine	QSI Gas Turbine Ver. 7				
QSIindustries	Q1 Pot	QSI Gas Turbine Ver. 7				
QSIindustries	Q1 Reed	QSI Gas Turbine Ver. 7				
QSIindustries	Lionel Veranda Turbine	QSI Gas Turbine Ver. 7				
QSIindustries	BLI ATSF 3751 4-8-4	QSI Steam				
QSIindustries	BLI C-O T1 Texas 2-10-4	QSI Steam				
QSIindustries	BLI Hudson 4-6-4	QSI Steam				
QSIindustries	BLI Mikado 2-8-2	QSI Steam				
QSIindustries	BLI NYC S1b Niagara 4-8-4	QSI Steam				
QSIindustries	BLI N-W J 4-8-4	QSI Steam				
QSIindustries	BLI PRR J1 2-10-4	QSI Steam				
QSIindustries	BLI PRR M1a/b 4-8-2	QSI Steam				
QSIindustries	BLI On30 Consolidation 2-8-0	QSI Steam				
QSIindustries	BLI On30 Consolidation 2-8-0 w/Xmas	QSI Steam				
QSIindustries	BLI ATSF 3800 Class 2-10-2 2-10-4	QSI Steam Ver. 6				
QSIindustries	BLI C-O T1 2-10-4	QSI Steam Ver. 6				
QSIindustries	BLI Great Northan 700 SP-S	QSI Steam Ver. 6				
QSIindustries	BLI M1A 4-8-2	QSI Steam Ver. 6				
QSIindustries	BLI N-W J 4-8-4	QSI Steam Ver. 6				
QSIindustries	BLI NYC S1b 4-8-4	QSI Steam Ver. 6				
QSIindustries	BLI PRR J1 2-10-4	QSI Steam Ver. 6				
QSIindustries	BLI PRR K4 4-6-2	QSI Steam Ver. 6				
QSIindustries	BLI UP Mountian 4-8-2	QSI Steam Ver. 6				
QSIindustries	P2K USRA 0-8-0	QSI Steam Ver. 6				
QSIindustries	Life Like 2-8-4 Berkshire w/Mars	QSI Steam Ver. 6				
QSIindustries	Life Like 2-8-4 Berkshire wo/Mars	QSI Steam Ver. 6				
QSIindustries	Walthers 0-6-0 Switcher	QSI Steam Ver. 6				
QSIindustries	QSI Revolution Steam	QSI Steam Ver. 7				
QSIindustries	QSI Magnum Steam	QSI Steam Ver. 7				
QSIindustries	Q1 Pot	QSI Steam Ver. 7				
QSIindustries	Q1 Reed	QSI Steam Ver. 7				
QSIindustries	Austrains C35 Class 4-6-0	QSI Steam Ver. 7				
QSIindustries	BLI ATSF 3751 Class 4-8-4	QSI Steam Ver. 7				
QSIindustries	BLI ATSF 3800 Class 2-10-2 2-10-4	QSI Steam Ver. 7				

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
QSIndustries	BLI CO T1 2-10-4	QSI Steam Ver. 7				
QSIndustries	BLI DRGW C16 2-8-0	QSI Steam Ver. 7				
QSIndustries	BLI DRGW C16 2-8-0 Christmas	QSI Steam Ver. 7				
QSIndustries	BLI GN S2 4-8-4	QSI Steam Ver. 7				
QSIndustries	BLI NH I-5 4-6-4	QSI Steam Ver. 7				
QSIndustries	BLI NW J 4-8-4	QSI Steam Ver. 7				
QSIndustries	BLI NYC J1D-E 4-6-4	QSI Steam Ver. 7				
QSIndustries	BLI NYC Steamlined 4-6-4	QSI Steam Ver. 7				
QSIndustries	BLI NYC L4a 4-8-2	QSI Steam Ver. 7				
QSIndustries	BLI NYC S1b 4-8-4	QSI Steam Ver. 7				
QSIndustries	BLI PRR J1 2-10-4	QSI Steam Ver. 7				
QSIndustries	BLI PRR K4 4-6-2	QSI Steam Ver. 7				
QSIndustries	BLI PRR M1A 4-8-2	QSI Steam Ver. 7				
QSIndustries	BLI UP MT-73 4-8-2	QSI Steam Ver. 7				
QSIndustries	BLI UP TTT6/7 2-10-2 brass	QSI Steam Ver. 7				
QSIndustries	BLI UP TTT6/7 2-10-2 hybrid	QSI Steam Ver. 7				
QSIndustries	BLI USRA Mikado 2-8-2	QSI Steam Ver. 7				
QSIndustries	CHC U2G Northern	QSI Steam Ver. 7				
QSIndustries	Eureka C38 4-6-2	QSI Steam Ver. 7				
QSIndustries	P2K USRA 0-6-0	QSI Steam Ver. 7				
QSIndustries	P2K USRA 0-8-0	QSI Steam Ver. 7				
QSIndustries	P2K USRA 2-10-2	QSI Steam Ver. 7				
QSIndustries	P2K 2-8-4 Berkshire w/Mars	QSI Steam Ver. 7				
QSIndustries	P2K 2-8-4 Berkshire wo/Mars	QSI Steam Ver. 7				
QSIndustries	PCM PRR I1sa 2-10-0	QSI Steam Ver. 7				
QSIndustries	Sunset NP 4-8-4	QSI Steam Ver. 7				
QSIndustries	Sunset SP 2-6-0	QSI Steam Ver. 7				
QSIndustries	Tenshodo C62 4-6-4	QSI Steam Ver. 7				
QSIndustries	Tenshodo C63 2-6-2	QSI Steam Ver. 7				
QSIndustries	Tenshodo D-51 2-8-2	QSI Steam Ver. 7				
QSIndustries	Tenshodo D-51 2-8-2 (Reed Switch)	QSI Steam Ver. 7				
QSIndustries	Mikado	QSI Steam Ver. 7				
QSIndustries	G Accucraft K-28	QSI Steam Ver. 7				
QSIndustries	G Aristocraft Steam	QSI Steam Ver. 7				
QSIndustries	O Atlas 0-6-0	QSI Steam Ver. 7				
QSIndustries	O Sunset 2-8-2 Mikado	QSI Steam Ver. 7				

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
QSIindustries	O Sunset Flying Scotsman	QSI Steam Ver. 7				
QSIindustries	Stock car chicken	QSI Rolling Stock				
QSIindustries	Stock car cow	QSI Rolling Stock				
QSIindustries	Stock car pig	QSI Rolling Stock				
QSIindustries	Titan Diesel	QSI Ver. 8				
QSIindustries	Titan RDC	QSI Ver. 8				
QSIindustries	Titan Electric	QSI Ver. 8				
QSIindustries	Titan Steam	QSI Ver. 8				
QSIindustries	Titan Articulated Steam	QSI Ver. 8				
QSIindustries	Titan Gas Turbine	QSI Ver. 8				
RR-CirKits	LNCP	Control Point				
RR-CirKits	TC-64	Tower Controller				
SPROG DCC	Servo6	Servo Accessory Decoders				
Throttle-Up (SoundTraxx)	DSD diesel	DSD diesel				
Throttle-Up (SoundTraxx)	DSD Steam	DSD Steam				
Throttle-Up (SoundTraxx)	DSX Diesel	DSX Diesel				
Throttle-Up (SoundTraxx)	DSX Steam	DSX Steam				
Throttle-Up (SoundTraxx)	100LC Diesel	LC Diesel decoders				yes
Throttle-Up (SoundTraxx)	LL100LC Diesel	LC Diesel PNP Cab Unit decoders				yes
Throttle-Up (SoundTraxx)	AT100LC/KT100LC Diesel	LC Diesel PNP decoders				yes
Throttle-Up (SoundTraxx)	LL110LC Diesel	LC Diesel PNP decoders				yes
Throttle-Up (SoundTraxx)	LL090LC Diesel	LC Diesel PNP decoders				yes
Throttle-Up (SoundTraxx)	C628LC Diesel	LC Diesel PNP + FX decoders				yes
Throttle-Up (SoundTraxx)	100LC Steam	LC steam decoders				yes
Throttle-Up (SoundTraxx)	090LC Steam	LC Steam hyperlight decoders				yes
Throttle-Up (SoundTraxx)	B280LC Steam	LC Steam PNP decoders				yes
Throttle-Up (SoundTraxx)	B3TSLC Steam	LC Steam PNP decoders				yes
Throttle-Up (SoundTraxx)	B210LC Steam	LC Steam PNP decoders				
Throttle-Up (SoundTraxx)	LL080LC Steam	LC Steam PNP decoders				yes
Throttle-Up (SoundTraxx)	MC1Z102P6	MC Motor Decoders			other	
Throttle-Up (SoundTraxx)	MC1Z102SQ	MC Motor Decoders			other	
Throttle-Up (SoundTraxx)	MC1H102P8	MC Motor Decoders			other	
Throttle-Up (SoundTraxx)	MC2H104AT	MC Motor Decoders			other	
Throttle-Up (SoundTraxx)	MC2H104OP	MC Motor Decoders			other	
Throttle-Up (SoundTraxx)	MC2H104P9	MC Motor Decoders			other	
Throttle-Up (SoundTraxx)	ES44AC	MC Intermountain OEM			other	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Throttle-Up (SoundTraxx)	ES44DC	MC Intermountain OEM			other	
Throttle-Up (SoundTraxx)	FT	MC Intermountain OEM			other	
Throttle-Up (SoundTraxx)	F3	MC Intermountain OEM			other	
Throttle-Up (SoundTraxx)	F7	MC Intermountain OEM			other	
Throttle-Up (SoundTraxx)	F9	MC Intermountain OEM			other	
Throttle-Up (SoundTraxx)	FP7	MC Intermountain OEM			other	
Throttle-Up (SoundTraxx)	2 function decoder (36-558)	OEM Bachmann E-Z Command decoders	.5A		NMRAmedium	
Throttle-Up (SoundTraxx)	F3 Diesel	SHS Diesel decoders	5A	6A	other	
Throttle-Up (SoundTraxx)	F7 Diesel	SHS Diesel decoders	6A	6A	other	yes
Throttle-Up (SoundTraxx)	TSU-750 Alco 244	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-750 Alco 539 (Non-Turbo)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-750 Alco 539 (Turbo)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-750 EMD 567	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-750 EMD 567 (Dual Motors)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-750 EMD 645 (Turbo)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-750 EMD 710	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-750 Fairbanks-Morse H-12	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-750 Galloping Goose	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-750 GE Cummins	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-750 UP Gas Turbine	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-1000 Alco 244	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 Alco 251 (V12)	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 Alco 251 (V16)	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 Baldwin VO	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 Baldwin 608NA (Non-Turbo)	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 Baldwin 608A (Turbo)	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 EMD 567	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 EMD 567 (Dual Motors)	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 EMD 567D (Turbo)	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 EMD 645	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 EMD 645 (Non-Turbo)	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 EMD 710	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 EMD 710 G3C-T2	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 Fairbanks-Morse H-12	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 GE FDL-16	Tsunami Diesel			9pin	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Throttle-Up (SoundTraxx)	TSU-1000 GE FDL-16 (Modern)	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 GE FDL-16 (Dual Motors)	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 GE Gevo-12	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 Galloping Goose	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-1000 UP Gas Turbine	Tsunami Diesel			9pin	
Throttle-Up (SoundTraxx)	TSU-AT1000 Alco 244	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 Alco 251 (V12)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 Alco 251 (V16)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 Alco 251C (Supercharged)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 Alco 539 (Turbo)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 EMD 567	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 EMD 567D (Turbo)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 EMD 645	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 EMD 645 (Non-Turbo)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 EMD 710	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 Fairbanks-Morse H-12	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 GE FDL-16	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-AT1000 GE FDL-16 (Modern)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-BW1000 Alco 251 (V16)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-BW1000 Baldwin 608A (Turbo)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-BW1000 EMD 567	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-BW1000 GE FDL-16	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-GN1000 EMD 567	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-GN1000 EMD 645	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-GN1000 EMD 710	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-GN1000 EMD 710 G3C-T2	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-GN1000 GE FDL-16	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-GN1000 GE FDL-16 (Modern)	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-KT1000 Kato C44-9W	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-KT1000 Kato F40PH	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-KT1000 Kato GP35	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-KT1000 Kato RS-2	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-KT1000 Kato SD38-2	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-KT1000 Kato SD40-2	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-KT1000 Kato SD45	Tsunami Diesel			other	
Throttle-Up (SoundTraxx)	TSU-KT1000 Kato SD70	Tsunami Diesel			other	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Throttle-Up (SoundTraxx)	Alco C-628	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	Alco C-630	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	Baldwin AS-16	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	Baldwin AS-616	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	Baldwin DS 4-4-1000	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	Baldwin S-8	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	Baldwin S-12	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	Baldwin VO-660	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	Baldwin VO-1000	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	EMD FT	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	EMD F3	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	EMD F7	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	EMD F9	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	GE U25B	Tsunami Diesel Bowser OEM			other	
Throttle-Up (SoundTraxx)	F2	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	F3	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	F7	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	F9	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	FP7	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	F45	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	FP45	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	GP7	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	GP9	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	GP15-1	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	GP15T	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	MP15AC	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	SD45-2	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	SD60I	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	SD60M	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	SD70ACe	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	SD70M-2	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	N F45	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	N FP45	Tsunami Diesel Genesis OEM			other	
Throttle-Up (SoundTraxx)	HO ES44AC	Tsunami Diesel Intermountain OEM			other	
Throttle-Up (SoundTraxx)	HO ES44DC	Tsunami Diesel Intermountain OEM			other	
Throttle-Up (SoundTraxx)	HO FT	Tsunami Diesel Intermountain OEM			other	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Throttle-Up (SoundTraxx)	HO F3	Tsunami Diesel Intermountain OEM			other	
Throttle-Up (SoundTraxx)	HO F7	Tsunami Diesel Intermountain OEM			other	
Throttle-Up (SoundTraxx)	HO F9	Tsunami Diesel Intermountain OEM			other	
Throttle-Up (SoundTraxx)	HO FP7	Tsunami Diesel Intermountain OEM			other	
Throttle-Up (SoundTraxx)	HO SD40-2W	Tsunami Diesel Intermountain OEM			other	
Throttle-Up (SoundTraxx)	TSU-750 Light Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-750 Medium Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-750 Heavy Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-750 Lt Logging Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-750 DRGW C-Class Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-750 DRGW K-Class Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-750 SP Cab Forward Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-1000 Light Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-1000 Medium Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-1000 Heavy Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-1000 Lt Logging Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-1000 DRGW C-Class Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-1000 DRGW K-Class Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-1000 SP Cab Forward Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-1000 Southern Steam	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	TSU-4664N Challenger	Tsunami Steam			other	
Throttle-Up (SoundTraxx)	HO 2-6-6-2	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 2-8-0	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 2-10-0 Russian Decapod	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 2-10-2 USRA Light	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 4-4-0 Low Boiler	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 4-4-0 High Boiler	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 4-6-0	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 4-6-2 K4	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 4-8-2 USRA Heavy	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 4-8-4 J Class	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 3 Truck Climax	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	HO 3 Truck Shay	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	On30 0-4-0 Porter	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	On30 0-4-2 Porter	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	On30 2-4-4 Forney	Tsunami Steam Bachmann OEM			other	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Throttle-Up (SoundTraxx)	On30 2-6-6-2	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	On30 4-6-0	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	On30 Climax	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	On30 2 Truck T Boiler Shay	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	Fn3 2 Truck Climax	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	Fn3 3 Truck Shay	Tsunami Steam Bachmann OEM			other	
Throttle-Up (SoundTraxx)	Bigboy 4-8-8-4	Tsunami Steam Genesis OEM			other	
Throttle-Up (SoundTraxx)	MT-4 4-8-2	Tsunami Steam Genesis OEM			other	
Throttle-Up (SoundTraxx)	N Challenger	Tsunami Steam Genesis OEM			other	
Throttle-Up (SoundTraxx)	HO SP AC12	Tsunami Steam Intermountain OEM			other	
Spectrum Engineering	AC1	AC1				
Tams Elektronik GmbH	LD-G-21	Standard Decoder				
Tams Elektronik GmbH	LD-G-32	Multiprotocol Decoder				
Train Control Systems	A1	TCS A1 decoder				
Train Control Systems	A1X	TCS A1X decoder				
Train Control Systems	Z2	TCS DP2X decoder			unspecified	
Train Control Systems	FL2	TCS Function Decoders				
Train Control Systems	FL4	TCS Function Decoders	1.3A (peak=2A)			
Train Control Systems	M1_v24	TCS Mx series decoders				
Train Control Systems	M1	TCS Mx series decoders				
Train Control Systems	M2	TCS Mx series decoders				
Train Control Systems	M1P-UK	TCS Mx series decoders				
Train Control Systems	TH150DP	TCS 150 series decoders				
Train Control Systems	TH150W	TCS 150 series decoders				
Train Control Systems	T1	TCS Tx series decoders				
Train Control Systems	T2	TCS Tx series decoders				
Train Control Systems	TH141	TCS Tx series decoders				
Train Control Systems	T1x	TCS Tx series decoders				
Train Control Systems	T1_v28+	TCS Tx series decoders				
Train Control Systems	A4X	TCS V51+	1.3A (peak=2A)		unspecified	
Train Control Systems	A6X	TCS V51+	1.3A (peak=2A)		unspecified	
Train Control Systems	ALD4	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	AMD4	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	ASD4	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	CN	TCS V51+	1.3A (peak=2A)		unspecified	
Train Control Systems	CN-GP	TCS V51+	1A (peak=2A)		unspecified	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Train Control Systems	DP2X	TCS V51+	1.3A (peak=2A)		unspecified	
Train Control Systems	DP2X-UK	TCS V51+	1.3A (peak=2A)		unspecified	
Train Control Systems	DP5	TCS V51+	1.3A (peak=2A)		unspecified	
Train Control Systems	EU621	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	EUN651	TCS V51+	1.3A (peak=2A)		unspecified	
Train Control Systems	G8	TCS V51+	?		unspecified	
Train Control Systems	IMD4	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	IMF4	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	IMFP4	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	IMFTA4	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	IMFTB4	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	K0D8-A	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	K0D8-B	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	K0D8-C	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	K0D8-D	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	K1D4	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	K1D4-NC	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	K2D4	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	K3D3	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	LL8	TCS V51+	1.0A (peak=2A)		unspecified	
Train Control Systems	M1	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	M1P-15	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	M1P-MH	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	M1P-UK	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	M3	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	M4	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	M4T	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	MC2	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	MC4	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	MC6	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	MP-15N	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	MZA4	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	T1	TCS V51+	1.3A (peak=2A)	1.3A continuous	unspecified	
Train Control Systems	T4X	TCS V51+	1.3A (peak=2A)		unspecified	
Train Control Systems	T6X	TCS V51+	1.3A (peak=2A)		unspecified	
Train Control Systems	VO-1000N	TCS V51+	1A (peak=2A)		unspecified	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Train Control Systems	Z2	TCS V51+	1A (peak=2A)		unspecified	
Train Control Systems	A4X	TCS X Series Decoders	1.3A (peak=2A)			
Train Control Systems	A6X	TCS X Series Decoders	1.3A (peak=2A)			
Train Control Systems	AMD1	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	DP5X	TCS X Series Decoders	1.3A (peak=2A)			
Train Control Systems	M1	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	M1P-15	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	M1P-UK	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	M3	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	M4	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	MC2	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	MC4	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	MC6	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	MP-15N	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	T1	TCS X Series Decoders	1.3A (peak=2A)			
Train Control Systems	T4X	TCS X Series Decoders	1.3A (peak=2A)			
Train Control Systems	T5X	TCS X Series Decoders	1.3A (peak=2A)			
Train Control Systems	T6X	TCS X Series Decoders	1.3A (peak=2A)			
Train Control Systems	VO-1000N	TCS X Series Decoders	1A (peak=2A)			
Train Control Systems	W5X	TCS X Series Decoders	1.3A (peak=2A)			
Train Control Systems	Z2	TCS Z2 decoder			unspecified	
Train Control Systems	A4X	TCS X w/BEMF	1.3A (peak=2A)			
Train Control Systems	A6X	TCS X w/BEMF	1.3A (peak=2A)			
Train Control Systems	ALD4	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	AMD4	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	ASD4	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	1278	TCS X w/BEMF	1.3A (peak=2A)			
Train Control Systems	CN	TCS X w/BEMF	1.3A (peak=2A)			
Train Control Systems	CN-GP	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	DP2X	TCS X w/BEMF	1.3A (peak=2A)			
Train Control Systems	DP2X-UK	TCS X w/BEMF	1.3A (peak=2A)			
Train Control Systems	EUN651	TCS X w/BEMF	1.3A (peak=2A)			
Train Control Systems	DP5	TCS X w/BEMF	1.3A (peak=2A)			
Train Control Systems	G8	TCS X w/BEMF	?			
Train Control Systems	IMD4	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	IMF4	TCS X w/BEMF	1.0A (peak=2A)			

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Train Control Systems	IMFP4	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	IMFTA4	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	IMFTB4	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	K0D8-A	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	K0D8-B	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	K0D8-C	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	K0D8-D	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	K1D4	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	K1D4-NC	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	K2D4	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	K3D3	TCS X w/BEMF	1.0A (peak=2A)			
Train Control Systems	M1	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	M1P-15	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	M1P-MH	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	M1P-UK	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	M3	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	M4	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	MC2	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	MC4	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	MC6	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	MP-15N	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	T1	TCS X w/BEMF	1.3A (peak=2A)	1.3A continuous		
Train Control Systems	T4X	TCS X w/BEMF	1.3A (peak=2A)			
Train Control Systems	T6X	TCS X w/BEMF	1.3A (peak=2A)			
Train Control Systems	VO-1000N	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	Z2	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	MZA4	TCS X w/BEMF	1A (peak=2A)			
Train Control Systems	M1	TCS Mx series decoders				
Team Digital	BlocD8	BlocD8			unspecified	
Team Digital	SIC24	SIC24				
Team Digital	SIC24AD	SIC24AD			unspecified	
Team Digital	SMC4	Stationary Decoder				
Team Digital	SMD2	Stationary Decoder				
Team Digital	SMD8	Stationary Decoder				
Team Digital	SMD82	Stationary Decoder				
Team Digital	SRC16	Stationary Decoder				

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Team Digital	SRC8	SRC8				
Trix Modelleisenbahn	66838	Minitrix				
Trix Modelleisenbahn	Version 1	Version 1				
Uhlenbrock Elektronik	32100	IntelliSound Module				
Uhlenbrock Elektronik	32400	IntelliSound Module				
Uhlenbrock Elektronik	PIKO 3619x Series	IntelliSound Module				
Uhlenbrock Elektronik	67800	Servo Decoder			unspecified	
Uhlenbrock Elektronik	73400	MicroMultiprotocol Decoder	0.6A			
Uhlenbrock Elektronik	73410	MicroMultiprotocol Decoder	0.6A		NMRAsmall	
Uhlenbrock Elektronik	73500	Mini-Multiprotocoll Decoder				
Uhlenbrock Elektronik	73510	Mini-Multiprotocoll Decoder				
Uhlenbrock Elektronik	73900	Mini-Function Decoder				
Uhlenbrock Elektronik	74400	Standard Decoder				
Uhlenbrock Elektronik	74420	Standard Decoder				
Uhlenbrock Elektronik	76400	Multiprotocoll Decoder				
Uhlenbrock Elektronik	76420	Multiprotocoll Decoder				
Uhlenbrock Elektronik	77500	Multiprotocoll Decoder	3 A (peak 5 A)	3 A (peak 5 A)	other	
Uhlenbrock Elektronik	PIKO 3612x Series	Multiprotocoll Decoder	3 A (peak 5 A)	3 A (peak 5 A)	other	
Umelec Ing Buero	ATL2051	Umelec ATLPlus Engine Module	1.5A	1.5A		
Umelec Ing Buero	ATL2054	Umelec ATLPlus Engine Module	1.5A	1.5A		
Umelec Ing Buero	ATL2064	Umelec ATLPlus Engine Module	1A	1A		
Wangrow	DH-154	Wangrow basic decoders	1.0A		NMRAmedium	yes
Wangrow	DH-155	Wangrow basic decoders	1.5A		NMRAmedium	
Wangrow	DO-407	Wangrow basic decoders	4.0A			
Wangrow	DN-103	Wangrow 2nd gen decoders	1.0A		NMRAmedium	
Wangrow	SH-104	Wangrow 3rd generation decoders	1.0A		NMRAmedium	
Wangrow	DH-104	Wangrow advanced lighting decoders	1.4A			
ZTC	ZTC213	ZTC213/213A				
ZTC	ZTC213A	ZTC213/213A				
ZTC	ZTC213B	ZTC213B				
ZTC	ZTC215	ZTC215/215B				
ZTC	ZTC215B	ZTC215/215B				
ZTC	ZTC 255	ZTC 255				
ZTC	ZTC 4007	ZTC 4007				
ZTC	ZTC 415	ZTC 415	1.5A (peak=2A)			
ZTC	ZTC 471 Small Generic Locomotives	ZTC Sound				

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
ZTC	ZTC 472 LMS / LNER Locomotives	ZTC Sound				
ZTC	ZTC 473 GWR / SR Locomotives	ZTC Sound				
ZTC	ZTC216B	ZTC Speed Stabilised (B)				
ZTC	ZTC226B	ZTC Speed Stabilised (B)				
ZTC	ZTC227B	ZTC Speed Stabilised (B)				
ZTC	ZTC202	Legacy				
ZTC	ZTC203	Legacy				
ZTC	ZTC211	Legacy				
ZTC	ZTC211A	Legacy				
ZTC	ZTC214	Legacy				
ZTC	ZTC214A	Legacy				
ZTC	ZTC215	Legacy				
ZTC	ZTC216	ZTC Speed Stabilised				
ZTC	ZTC226	ZTC Speed Stabilised				
Zimo	MX61_2000 version 4/10	Zimo Silent BEMF decoders, early model	1A (peak=2A, 5 sec.)	1.2A		
Zimo	MX61_2000 version 11/17	Zimo Silent BEMF decoders, early model	1A (peak=2A, 5 sec.)	1.2A		
Zimo	MX61_N	Zimo Silent BEMF decoders, early model	0.8A (peak=2A, 5 sec.)	1.0A		
Zimo	MX620 version 1-3	Zimo MX620	0.8A, peak=2A for 5 sec.	0.8A		
Zimo	MX620 version 5	Zimo MX620	0.8A, peak=2A for 5 sec.	0.8A		
Zimo	MX620 version 6	Zimo MX620	0.8A, peak=2A for 5 sec.	0.8A		
Zimo	MX620 version 7-8	Zimo MX620	0.8A, peak=2A for 5 sec.	0.8A		
Zimo	MX620 version 9	Zimo MX620	0.8A, peak=2A for 5 sec.	0.8A		
Zimo	MX620 version 9.12	Zimo MX620	0.8A, peak=2A for 5 sec.	0.8A		
Zimo	MX62 version 4/7	Zimo Silent BEMF decoders, late model	0.7A (peak=1.5A, 5 sec.)	0.8A	9pin	
Zimo	MX62 version 8	Zimo Silent BEMF decoders, late model	0.7A (peak=1.5A, 5 sec.)	0.8A		

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Zimo	MX63 version 6/8	Zimo Silent BEMF decoders, late model	1A (peak=2A for 5 sec.)	1.2A		
Zimo	MX64(H) version 5/8	Zimo Silent BEMF decoders, late model	1A(1.5A), peak=2A for 5 sec.	1.2A (1.6A)		
Zimo	MX63 version 22-30	Zimo Silent BEMF decoders, late model	1A, peak=2A for 5 sec.	1.2A		
Zimo	MX64 version 22-30	Zimo Silent BEMF decoders, late model	1A, peak=2A for 5 sec.	1.2A		
Zimo	MX64H version 22-30	Zimo Silent BEMF decoders, late model	1.6A, peak=2A for 5 sec.	1.8A		
Zimo	MX64(H) version 3/4	Zimo Silent BEMF decoders, late model	1A(1.5A), peak=2A for 5 sec.	1.2A (1.6A)		
Zimo	MX64(H) version 15+	Zimo Silent BEMF decoders, late model	1A(1.5A), peak=2A for 5 sec.	1.2A (1.6A)		
Zimo	MX640 versions 1-2	Zimo MX640	1.2A, peak=2A	1.2A		
Zimo	MX640 version 3	Zimo MX640	1.2A, peak=2A	1.2A		
Zimo	MX640 version 4	Zimo MX640	1.2A, peak=2A	1.2A		
Zimo	MX640 version 4.17	Zimo MX640	1.2A, peak=2A	1.2A		
Zimo	MX65L/N	Zimo MX65	2 A (peak 5 A)	2:00 AM	other	
Zimo	MX65S/N	Zimo MX65	3 A (peak 5 A)	3:00 AM	other	
Zimo	MX65V/N	Zimo MX65	3 A (peak 5 A)	3:00 AM	other	
Zimo	MX61_2000	Zimo Silent BEMF decoders, late model	1 Amp	1.2 Amp		
Zimo	MX62_2000	Zimo Silent BEMF decoders, late model	0.7 Amp	0.7 Amp		
Zimo	MX66M(V) version 3/11	Zimo Silent BEMF decoders, large scales	3A, peak=5A for 5 sec.	3A		
Zimo	MX66S version 3/11	Zimo Silent BEMF decoders, large scales	3A, peak=5A for 5 sec.	3A		
Zimo	MX68(L) version 3	Zimo Function Decoders		0,4A per left/right group		
Zimo	MX680 version 1-2	Zimo Function Decoders		0.5A		
Zimo	MX680N version 1-2	Zimo Function Decoders		0.5A	NMRAsmall	
Zimo	MX69L	Zimo MX69 MX690	2 A (peak 8 A)	2 A (peak 8 A)	other	
Zimo	MX69S	Zimo MX69 MX690	3 A (peak 8 A)	3 A (peak 8 A)	other	
Zimo	MX69V	Zimo MX69 MX690	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Zimo	MX690S	Zimo MX69 MX690	3 A (peak 8 A)	3 A (peak 8 A)	other	
Zimo	MX690V	Zimo MX69 MX690	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	
Zimo	MX620 version 25+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A		
Zimo	MX620N version 25+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX620R version 25+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAmidium	
Zimo	MX620F version 25+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX620 version 27+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A		
Zimo	MX620N version 27+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX620R version 27+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAmidium	
Zimo	MX620F version 27+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX620 version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A		
Zimo	MX620N version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX620R version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAmidium	
Zimo	MX620F version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX621 version 25+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A		
Zimo	MX621N version 25+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX621R version 25+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAmidium	
Zimo	MX621F version 25+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX621 version 27+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A		
Zimo	MX621N version 27+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX621R version 27+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAmidium	
Zimo	MX621F version 27+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX621 version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A		
Zimo	MX621N version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX621R version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAmidium	
Zimo	MX621F version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	0.8A	NMRAsmall	
Zimo	MX630 version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1A		
Zimo	MX630R version 25+	Zimo Unified software (version 25+)	1A, peak=2.5A	1A	NMRAmidium	
Zimo	MX630F version 25+	Zimo Unified software (version 25+)	1A, peak=2.5A	1A	NMRAsmall	
Zimo	MX630P version 25+	Zimo Unified software (version 25+)	1A, peak=2.5A	1A	other	
Zimo	MX630 version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1A		
Zimo	MX630R version 27+	Zimo Unified software (version 25+)	1A, peak=2.5A	1A	NMRAmidium	
Zimo	MX630F version 27+	Zimo Unified software (version 25+)	1A, peak=2.5A	1A	NMRAsmall	
Zimo	MX630P version 27+	Zimo Unified software (version 25+)	1A, peak=2.5A	1A	other	
Zimo	MX630 version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1A		
Zimo	MX630R version 28+	Zimo Unified software (version 25+)	1A, peak=2.5A	1A	NMRAmidium	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Zimo	MX630F version 28+	Zimo Unified software (version 25+)	1A, peak=2.5A	1A	NMRAsmall	
Zimo	MX630P version 28+	Zimo Unified software (version 25+)	1A, peak=2.5A	1A	other	
Zimo	MX631C version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX631C version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX631C version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX631 version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A		
Zimo	MX631R version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAmidium	
Zimo	MX631F version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAsmall	
Zimo	MX631 version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A		
Zimo	MX631R version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAmidium	
Zimo	MX631F version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAsmall	
Zimo	MX631 version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A		
Zimo	MX631R version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAmidium	
Zimo	MX631F version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAsmall	
Zimo	MX632C version 25+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632C version 27+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632C version 28+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632 version 25+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A		
Zimo	MX632R version 25+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	NMRAmidium	
Zimo	MX632D version 25+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632V version 25+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632VD version 25+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632W version 25+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632WD version 25+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632 version 27+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A		
Zimo	MX632R version 27+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	NMRAmidium	
Zimo	MX632D version 27+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632V version 27+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632VD version 27+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632W version 27+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632WD version 27+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632 version 28+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A		
Zimo	MX632R version 28+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	NMRAmidium	
Zimo	MX632D version 28+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632V version 28+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632VD version 28+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Zimo	MX632W version 28+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX632WD version 28+	Zimo Unified software (version 25+)	1.6A, peak=2.5A	1.6A	other	
Zimo	MX640 version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A		
Zimo	MX640R version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAmedium	
Zimo	MX640F version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAsmall	
Zimo	MX640D version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX640C version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX640 version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A		
Zimo	MX640R version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAmedium	
Zimo	MX640F version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAsmall	
Zimo	MX640D version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX640C version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX640 version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A		
Zimo	MX640R version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAmedium	
Zimo	MX640F version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAsmall	
Zimo	MX640D version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX640C version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX642 version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A		
Zimo	MX642R version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAmedium	
Zimo	MX642F version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAsmall	
Zimo	MX642D version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX642C version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX642 version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A		
Zimo	MX642R version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAmedium	
Zimo	MX642F version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAsmall	
Zimo	MX642D version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX642C version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX642 version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A		
Zimo	MX642R version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAmedium	
Zimo	MX642F version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAsmall	
Zimo	MX642D version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX642C version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX643P16 version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX643P16 version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX643P16 version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX643P22 version 25+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Zimo	MX643P22 version 27+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX643P22 version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	other	
Zimo	MX644D version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	21MTC	
Zimo	MX644C version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	21MTC	
Zimo	MX645P16 version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	PluX16	
Zimo	MX645 version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A		
Zimo	MX645R version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRAMedium	
Zimo	MX645F version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	NMRASmall	
Zimo	MX645P22 version 28+	Zimo Unified software (version 25+)	1.2A, peak=2.5A	1.2A	PluX22	
Zimo	MX646 version 25+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A		
Zimo	MX646R version 25+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A	NMRAMedium	
Zimo	MX646F version 25+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A	NMRASmall	
Zimo	MX646N version 25+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A	NMRASmall	
Zimo	MX646 version 27	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A		
Zimo	MX646R version 27+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A	NMRAMedium	
Zimo	MX646F version 27+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A	NMRASmall	
Zimo	MX646N version 27+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A	NMRASmall	
Zimo	MX646 version 28+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A		
Zimo	MX646R version 28+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A	NMRAMedium	
Zimo	MX646F version 28+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A	NMRASmall	
Zimo	MX646N version 28+	Zimo Unified software (version 25+)	1.0A, peak=1.5A	1.2A	NMRASmall	
Zimo	MX648 version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	1.2A		
Zimo	MX648R version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	1.2A	NMRAMedium	
Zimo	MX648F version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	1.2A	NMRASmall	
Zimo	MX648N version 28+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	1.2A	NMRASmall	
Zimo	MX648 version 30+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	1.2A		
Zimo	MX648R version 30+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	1.2A	NMRAMedium	
Zimo	MX648F version 30+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	1.2A	NMRASmall	
Zimo	MX648N version 30+	Zimo Unified software (version 25+)	0.8A, peak=1.5A	1.2A	NMRASmall	
Zimo	MX64D version 25+	Zimo Unified software (version 25+)	1.2A, peak=2A	1.2A	other	
Zimo	MX64D version 27+	Zimo Unified software (version 25+)	1.2A, peak=2A	1.2A	other	
Zimo	MX64D version 28+	Zimo Unified software (version 25+)	1.2A, peak=2A	1.2A	other	
Zimo	MX690S version 25+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	
Zimo	MX690S version 27+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	
Zimo	MX690S version 28+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	
Zimo	MX690S version 30+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	

Electrische eigenschappen van DCC decoders.

Fabrikant	Model	Familie	Max Motor Stroom	Max Total stroom	Connector	NMRA waarborg
Zimo	MX690V version 25+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	
Zimo	MX690V version 27+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	
Zimo	MX690V version 28+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	
Zimo	MX690V version 30+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	
Zimo	MX695S version 30+	Zimo Unified software (version 25+)	6 A (peak 10 A)	6 A (peak 10 A)	other	
Zimo	MX695V version 30+	Zimo Unified software (version 25+)	6 A (peak 10 A)	6 A (peak 10 A)	other	
Zimo	MX69L version 25+	Zimo Unified software (version 25+)	2 A (peak 8 A)	2 A (peak 8 A)	other	
Zimo	MX69L version 27+	Zimo Unified software (version 25+)	2 A (peak 8 A)	2 A (peak 8 A)	other	
Zimo	MX69L version 28+	Zimo Unified software (version 25+)	2 A (peak 8 A)	2 A (peak 8 A)	other	
Zimo	MX69S version 25+	Zimo Unified software (version 25+)	3 A (peak 8 A)	3 A (peak 8 A)	other	
Zimo	MX69S version 27+	Zimo Unified software (version 25+)	3 A (peak 8 A)	3 A (peak 8 A)	other	
Zimo	MX69S version 28+	Zimo Unified software (version 25+)	3 A (peak 8 A)	3 A (peak 8 A)	other	
Zimo	MX69V version 25+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	
Zimo	MX69V version 27+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	
Zimo	MX69V version 28+	Zimo Unified software (version 25+)	4-5 A (peak 8 A)	4-5 A (peak 8 A)	other	