

PowerMAX! DCC Decoder/Controller Properties

Current Rating - Avg 0.25 Amps

Connector - Wires

Size - 6 x 5 x 1.8 (mm)

The decoder PMX65 is suitable for all 3-8v DC and alternating current motors in T to n locomotives. The maximum total load must not exceed 250ma.

The PMX65 offers high-frequency 16khz or 32khz engine control for idle engines. Alternatively, stepless adjustable 30-150 Hz is available for traditional motors.

The PMX65 offers options with 14, 28 or 128 driving steps, load compensation scheme, full address space from 1 to 10240, and the possibility to program on the main track 'on-the-fly'.

- Fully NMRA compatible (DCC data format)
- DCC Data Format
- Full "function mapping" according to NMRA arrangement
- function outputs separately dimmable
- Dim frequency 1.2 khz
- Automatic decoupling, time control for digital clutch,
- American light effects such as flashing, dimming, flashing, single pulse strobe, double strobe,
- flashing headlight, ditch-light links, ditch-light right rotary beacon, Mars light, soft-start (slow increasing glow of functions)
- Full address space 1-10240
- CV8 = 117 for SEARAILS PowerMAX! Manufacture's ID
- Shunting function, display case mode, button shunting function, decreased backward speed
- Evaluation of chain pulses via F1 or F4
- Free speed characteristic CV67-cv94
- tunable load Balancing (p and I regulator)
- High-frequency motor control 16khz or 32khz
- Low-frequency motor control of 30 bis150 Hz selectable
- 5th generation decoder, dynamic load control
- Optional 14, 28 or 128 driving stages
- 250 MA Motor Current
- Digital or analogue operation
- Programming 'on the Fly'
- Hard reset to reset CV values to factory setting
- User CV's for storing personal data
- Brakes with asymmetric signal (Diodes ratio 1:4)
- Fully programmable with controls (also values and CVS up to 255)
- Reliable overload protection motor, additional outputs are not protected against overcurrent
- 2 CVS groups freely selectable (for own or external applications)