

**TRANSNET RAIL ENGINEERING**

**Locomotive Approved List  
Groups and Categories Electric Locomotives**

<u>Group</u>	<u>Category</u>
85100 Main Power Supply System	85101 Main Power Supply System 85102 AC Supply Power System 85103 DC Supply Power System 85104 Propulsion Systems 85105 Electric Braking 85106 Smoothing/Filtering System 85107 Traction Motors 85108 Main Electrical Equipment Protection System 85109 Earthing and Insulating Equipment 85110 Commutators 85111 Motor and Pole Pieces 85112 Shafts
85200 Auxiliary Systems	85201 MCB and Control Panels 85202 Auxiliary Power Supply Systems 85203 Main Air and Vacuum Supply 85204 Equipment Cooling 85205 Equipment Ventilation 85206 Equipment Heating 85207 Equipment Insulation and Bushing
85300 Driver Ancillary Electrical System	85301 Heating Systems 85302 Cooling Systems 85303 Ventilation System 85304 Doors 85305 Windows and Mirrors 85306 Lighting 85307 Communication System
85400 Locomotive Control	85401 Main Electrical Power Supply Control 85402 Traction Control Systems 85403 Electric Braking Control 85404 Pneumatic Braking Control Systems 85405 Safety Control Systems 85406 Adhesion Control Systems 85407 Distributed Power Control Systems 85408 In-Cab Signalling Control
85500 Communications Systems	85501 Driver Communication Systems

and Network	85502 Locomotive Communication Network 85503 Train and Consist Communication Network 85504 Fault and Diagnostics Reporting System 85505 Brake System Communication Network 85506 Distributed Power Control Communication System 85507 Tracking and Navigational Communication Systems
85600 Electronic Control Systems	85601 Train Control System 85602 HT Supply Controllers 85603 Traction Controllers 85604 Auxiliary Power Supply Controllers 85605 Auxiliary Systems Electronic Controllers 85606 Driver's Electrical Equipment Electronic Controllers 85607 Pneumatic Brake System Electronic Controllers 85608 Electronic Data Capturing Systems 85609 Fuses, Cartridges and Holders 85610 Electronic Circuit Card Assemblies and Panels 85611 IC's
85700 Measurement and Detection System	85701 Measurement and Detection Equipment Power Supply 87502 Voltage 87503 Current 87504 Speed, Frequency, Period 87505 Pressure 87506 Flow 87507 Liquid Level 87508 Digital Feedback 87509 Temperature
85800 Indication Systems	85801 Bells, Sirens and Buzzers 85802 Lights 85803 Gauges 85804 Panels 85805 Displays
85900 Miscellaneous	85901 Brackets, Mountings, Supports, Handles and Housings 85902 Mechanical Components 85903 Nuts, Bolts, Locking Plates and Washers, 85904 Connectors, Receptacles, Inserts and Racks 85905 Cables, Wires, Conduits, Hoses and Assemblies 85906 Electrical Contacts and Holders 85907 Contactors and Associated Components 85908 Equipment Covers and Caps 85910 Shunts 85911 Switches and Buttons 85912 Plates and Deflectors 85913 Relays, Actuators and Associated Components 85914 Resistors, Elements and Holders 85915 Semiconductor Devices 85916 Miscellaneous 85917 Sleeving 85918 Springs and Clips 85920 Transformers 85921 VEE Rings 85922 Windings, Kits, Wedges and Laminations 85923 Clamps and Fasteners

85924 Coils and Supports  
85925 Capacitors, Diodes, Transistors and Amplifiers  
85926 Seals and Gaskets  
85927 Packings and Assembly  
85928 Pins  
85929 Cable and Wire Markers  
85930 Locomotive Batteries

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