

News release

London, UK, 20th February 2007



RailTex 07, London, UK

20-22 February 2007

Hypertac Stand M66

Shielded connectors suit rail-transport applications



Hypertac has announced a new shielded version of its modular HyperMod connector to meet the emerging needs for high-speed signal interconnections in railway applications, such as the communication networks made available to passengers within

coaches. Its shielding effectiveness meets the exacting EMC requirements of railway environments.

The HyperMod shielded modular connector was designed to respond to the growing need to protect signals against electromagnetic interference, driven by the growing use of electronic devices in mass transportation. The continuous increase in transmission frequencies makes equipment more susceptible to such effects.

The shock-proof aluminium shell of the shielded HyperMod is protected by an environmentally-friendly (RoHS-compliant) conductive plating of trivalent chromium. The sealing gasket, made of conductive elastomer, ensures shell-to-shell continuity. The two locking devices available, either with a double lever or with screws, compress the seal to establish perfect grounding.

Depending on the EMC performance required, three seal types are offered:

Carbon loaded rubber gasket ensures a minimum attenuation of 60dB @ 200MHz,

Aluminium/silver loaded rubber gasket: 70dB @ 200MHz,

Copper/silver loaded rubber gasket: 76dB @ 200MHz.

The shielded HyperMod is approved to the NF F 61030 railway specification. Its sealing level is IP67. Its temperature range is -40°C to +125°C.

This new connector uses Hyperboloid contacts and benefits from all the advantages of this superior contact technology.

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