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Görevsayar® TKYB

TRAIN CONTROL AND MANAGEMENT COMPUTER

Product Description

GÖREVSAYAR® TKYB can be used as CCU and VCU by the virtue of its modular structure. GÖREVSAYAR® TKYB provides central control of the train by coordinating safety critical functions including emergency braking, traction, door control, light control, HVAC, Passenger Information, in vehicle and inter vehicle communication systems.

General Features

- 19" rack mountable
- 4U CPCI chassis (3U Backplane + 1U Fan Unit)
- Redundant and hot-swappable PSUs
- Redundant and SIL-4 certifiable CPUs
- Redundancy Controller Board for availability
- IO Boards
- SIL-4 Safe operating system (QNX)
- Ethernet, MVB and CAN interfaces for vehicle bus communication

Technical Specifications

- 2 x 2oo3 CPU Board with SIL-4 safety functions
- 2 x Hot Swappable, PICMG 2.11 CompactPCI Power Interface Compliant PSU (100Watt)
- QNX operating system support
- SIL-2 IO Boards
- 4 x EN61375 Compatible Ethernet Port
- 2 x EN 61375 Compatible MVB Consist Network Port
- 2 x EN 61375 Compatible CAN Consist Network Port

Environmental

- Ambient Operational Temperature   : -40 ℃ / +70 ℃

Standards

- Functional Compatibility   : EN 50155, EN 61375
- Safety Compatibility   : EN 50128, EN 50129, IEC61508
- Electromagnetic Compatibility (EMC) : EN 50121

Typical Platforms

- High speed trains
- EMUs
- Locomotives
- Metros
- Tramway
- Light Rail Vehicles

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