

ASL23TC

TRACK CIRCUIT SYSTEM



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Product Description

ASL23TC Track Circuit System is rolling stock detection system which provides information about whether track sections are 'clear' or 'occupied'.

Overview

- SIL 4 level occupancy control of the railway block section
- Extended range of operating frequencies
- The signal transmission between the Transmitter (Tx) and the Receiver (Rx) is done with a coded FSK.
- Block section data is evaluated by high safe architecture unit.

Technical Characteristics

Safety Integrity Level	: SIL 4
Operating Frequencies	: 2050Hz to 19300Hz
Signal Transmission	: Coded FSK
Track Circuit Max. Length [m]	:
End Feed	: 750 m
Centre Feed	: 1500 m
Power Supply	: 220V AC
Max. Train Speed [km/h]	: 300 km/h
Total Data Evaluation Time	< 500 mS
Ballast Resistance [ohm x km]	: 1,2 Ω .km
Operation Temperature	: -40 °C to +70 °C
Max. Train Shunt	: 0,5 Ω
Competitive Features	:
	Fast Testing and Commissioning Capability
	Advanced Diagnostic Capabilities
	Very Short Delivery Time



Applicable Railways	:
	High Speed Lines
	Underground Lines
	City Railways
	Conventional Lines
User Friendly Interface	:
	Site Data Tracking and Control
	Display of Diagnostic Data
	High Ease of Maintenance
Cabling	: F / O

Related Standards

- Safety : EN 50126
EN 50128
EN 50129
- Technical : EN 50617-1
- Environmental : EN 50125-3
- Electromagnetic Compatibility : EN 50121-4
- Insulation : EN 50124-1
- Connectors : EN 60603-2

