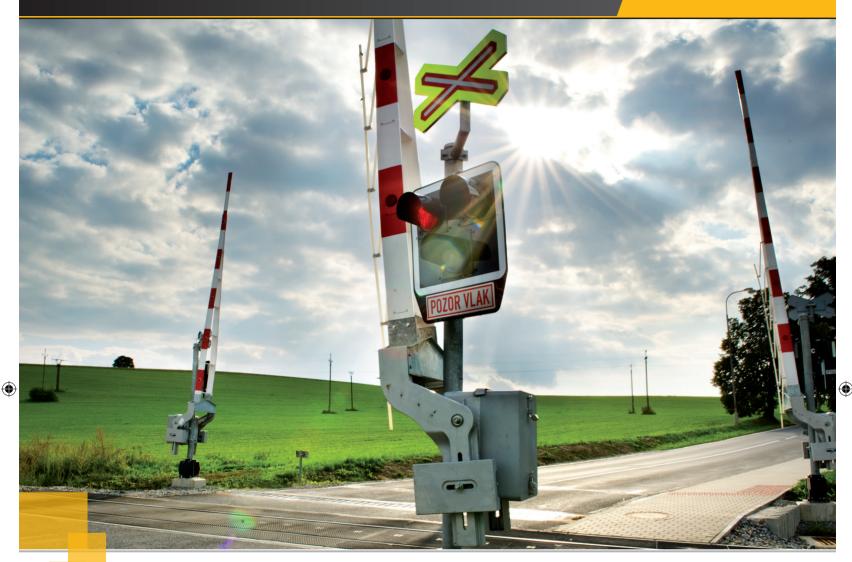
RAILWAY TRANSPORT SYSTEMS

LEXIS Intelligent Protection of Level Crossings





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- Fully electronic protection system suitable for any level-crossing configuration
- Designed for operators of mainline, regional, industrial and urban railways
- The highest safety level (SIL4)
- The highest availability reduces crossing downtime and rail and highway traffic delay
- Simple design, powerful functionality
- State-of-the art preventive diagnostics
- Remote monitoring/testing/reporting capability
- Scalable, modular and compact built-up
- Easy installation
- Significantly reduces total ownership costs



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	LEXIS integrates flashing light and gate control
	Configuration tools simplify application design and installation setup
	LEXIS eliminates all relays in a crossing installation
	Can be easily customized
	Shift of maintenance focus from "Find & Fix" to "Predict & Prevent"
GENERAL	Includes event recorder and analyzer
DESCRIPTION	Immediate malfunction reporting improves maintenance efficiency

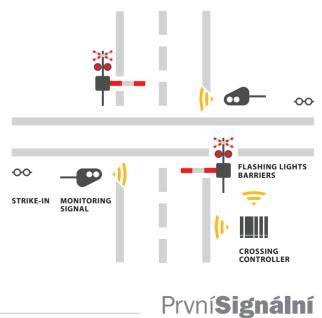
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BASIC TECHNICAL DESCRIPTION

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- Covers applications from very simple to the most complex configurations
- Complies with SIL4 of the CENELEC safety standards EN 50 126, EN 50 128, EN 50 129 and EN 50 159
- Offers easy configuration and pre-delivery testing, as well as simple and quick on-site setup
- LEXIS can control flashing lights, both bulbs (single or double filament) and LEDs, various types of gates (barrier drives) and their lights
- Track circuits, axle counters and wheel detectors can be interfaced
- Capable to interface other vital logic via signal or vital communication links
- Communication links are fully redundant and use industrial standard protocols
 (RS485/RS232/LonWorks/Ethernet/TCP/IP)
- Uses copper or fiber-optic cabling or wireless communication
- Supports fail-safe data transmission with safe and secure protocols
- · Can provide optional radio-operated strike-in and radio monitoring
- Additional solar power supply
- The diagnostics puts maximum focus on failure prevention with timely detection of malfunctions
- · Offers Web-based diagnostics

BASIC TECHNICAL PARAMETERS		
Safety level	SIL4	
Max. number of tracks	10	
Max no of flashing lights	10	
Max no of gates	10	
AC power supply	230 VAC, 50 Hz	
DC power supply	10 to 33 V DC	
Diagnostic data storage	1 year	



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