



# DiagSWing BDA-3

*Diagnostic device – Recording device*

- Level crossing diagnostics
- Real time data archiving and visualisation
- Transmission of archive to DiagSWing LDS-3



## GENERAL DESCRIPTION

Recording device DiagSWing BDA-3 (further BDA-3) is designed for level crossing diagnostics and consequent transmission of data to DiagSWing LDS-3. BDA-3 can be used individually or as subsystem of other equipment.

BDA-3, as a diagnostic equipment, uses safety interface to the signalling equipment despite it is not a system with its own safety. This safety interface prevents influencing the function of signalling equipment by the prospective failure of BDA-3.

BDA-3 enables transmission of measured data to higher-level system via Ethernet.

## BASIC TECHNICAL DESCRIPTION

BDA-3 scans the data and creates its archive into which all changes of monitored inputs with a time stamps are recorded.

When connected to DiagSWing DMS, BDA-3 periodically reads out measured analogue values and executes their evaluation and archiving.

BDA-3 records an operational and failure states of relay based level crossing systems or serves for downloading the archived diagnostic data from Control unit of electronic level crossing systems.





## BASIC TECHNICAL PARAMETERS

Supply voltage	24 V DC	
Supply voltage range	19,2 V to 42 V	
Supply current	0,3 A	
Input	4 W	
Insulation resistance	in standard environment	min. 50 M $\Omega$
	after moist-heat test	min. 7 M $\Omega$
Mean time between failures (MTBF)	32 000 hours	
Service life	20 years	
Temperature range	-25 °C to +70 °C	

