

# MIREL SOL Train traction protection system

## Type **SOL**

Illustrative picture

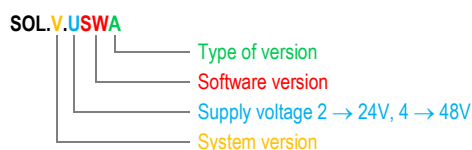
MIREL SOL Train traction protection system protects function units and traction sequence circuits against overvoltage, undervoltage, overcurrent, impermissible differences, inappropriate temperatures, pressures and other impermissible values of operation parameters. MIREL SOL train traction protection system comprises also an implemented fire detection function (EFS) withing driving rail vehicle. For driving rail vehicles of electrical traction, the MIREL SOL Train traction protection system provides for a detection and indication of traction power supply system. All protective function of MIREL SOL Train traction protection system can be parametrized.



MIREL SOL Train traction protection system is composed of a central unit and three indication units (IN0, IN1, IN2). Central unit is located in electronics cabinet of driving rail vehicle or in an other suitable place. Indication unit IN0 is located in the proximity of central unit. Indication units IN1 and IN2 are located at engine driver's stands of driving rail vehicle.

Power supply for MIREL SOL Train traction protection system is provided from battery source of driving rail vehicle. Operation of MIREL SOL Train traction protection system takes place solely from engine driver's stand by means of control elements located at driving rail vehicle's driver cab stand.

### Nomenclature



### Modification

Designation	Software version	Central unit	IN0 indication unit	IN1 indication unit	IN2 indication unit	Notes
<b>SOL.1.401A</b>	01	SOLZJ.1.401A	KBD.1.401BA	–	–	
<b>SOL.1.401B</b>	01	SOLZJ.1.401B	KBD.1.401BB	–	–	
<b>SOL.1.401C</b>	01	SOLZJ.1.401C	–	KBD.1.401BC	KBD.1.401BC	
<b>SOL.1.401D</b>	01	SOLZJ.1.401D1	–	KBD.1.401BD	KBD.1.401BD	

### Specification

The catalogue sheet was prepared on the basis of the following specifications:

Number	Version	Name
1412SOL	200918	MIREL SOL – Technical specification
1420SOL	210712	MIREL SOL – Technical conditions
1422SOL	200918	MIREL SOL – Operation manual
1423SOL	200918	MIREL SOL – Maintenance manual, diagnostic

### Modifications not recommended for new applications

No record.