

Central Unit for MIREL SOL System of Protections

Type **SOLZJ**

Illustrative picture

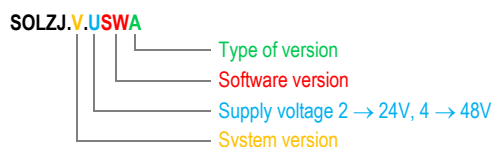
Central unit provides for protection functions and most of operating functions for MIREL SOL system of protections. Apart from principal functions it also ensures scanning of analogue and binary signals, issue if analogue and binary signals, calculation of protective algorithms, communication with indication units as well as with interacting systems. Depending on modification, central unit can itself aggregate also functions of electronic fire signalling (EFS).



There isn't necessary any direct operation of central unit. Central unit performs continuous self-diagnostics and enables execution of correct functioning of all system components and of interacting devices on driving rail vehicle. Apart from function test and in-depth prophylactic inspection, the device is maintenance-free.

Power supply for central unit of protection system is provided from DRV battery source.

Nomenclature



Modification

Designation	Supply voltage [VDC]	Software version	Type of version	Dimensions W x H x D [mm]	Max. weight [kg]	Notes
SOLZJ.1.401A	48	01	A	483x133x302	5	1), 5)
SOLZJ.1.401B	48	01	B	483x133x302	5	2), 6)
SOLZJ.1.401C	48	01	C	483x133x302	5	3), 5)
SOLZJ.1.401D1	48	01	D1	483x133x302	5	4), 7)

- 1) homologated for DRV 361 SK
- 2) homologated for DRV 363 SK
- 3) homologated for DRV 240 SK
- 4) homologated for DRV 044 and 045
- 5) homologated in Slovakia and Czech Republic
- 6) homologated in Slovakia, Czech Republic and Hungary
- 7) homologated in Bulgaria

Version type

Designation	Traction system	integrated EFS	Binary inputs count	Binary outputs count	Safe relays count	Analogue output counts
A	double-system	–	24	12	6	0
B	double-system	✓	24	12	6	0
C	single-system	✓	24	12	2	0
D1	single-system	–	28	16	4	8

Specification of integrated electronic fire signalling

EFS loop count	maximum 10
Count of fire detectors wired in one loop	maximum 3
Count of EPS fire detectors	maximum 15

Specification

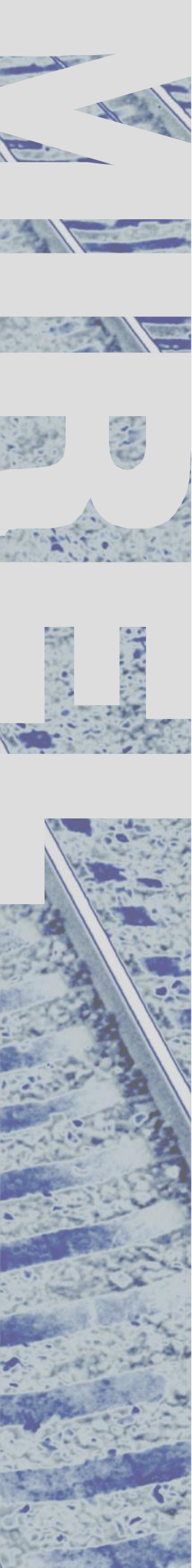
The catalogue sheet was prepared on the basis of the following specifications:

Number	Version	Title
1412SOL	200918	Technical specifications
1420SOL	210712	Technical conditions
1975M	161208	BOXU.2 Installation conditions
1422SOL	200918	Operating manual
1423SOL	200918	Maintenance manual, diagnostics

Usage

MIREL SOL – Train traction protection system





Modifications which are NOT recommended for new applications

No record.