

MIREL PSU Universal Power Supply Unit

Type **PSU**

Illustrative picture

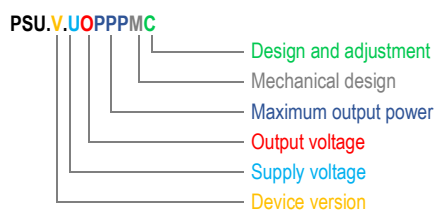
MIREL PSU is an universal power supply unit for MIREL equipment.

Principal function of universal power supply unit is the conversion of DRV's on-board supply voltage to a voltage suitable for MIREL systems power supply.

Apart from principal function, it fulfils also the function of startup current limitation, ensures electrical system separation from on-board power supply network.



Nomenclature



Modification

Designation	Supply voltage [VDC]	Output voltage [VDC]	Output power [W]	Maximum current load [A]	Startup current limitation [A]	Mechanical design	Notes
PSU.1.B2070UA	110	24	70	3	2,1	U	

Modifications prepared for new applications

Designation	Supply voltage [VDC]	Output voltage [VDC]	Output power [W]	Maximum current load [A]	Startup current limitation [A]	Mechanical design	Notes
PSU.1.B2070LA	110	24	70	3	2,1	L	WF1024

Supply voltage

Designation	Supply voltage [VDC]
B	110
7	72
4	48

Output voltage

Designation	Output voltage [VDC]
2	24
4	48

Output power

Designation	Output power [W]
070	70

Mechanical design

Designation	Structural system	Structural system modification	Fitting side	Dimensions w x h x l [mm]	Weight [kg]
U	BOXKOG	09	-	76 x 128 x 240	2,1
L	BOXTUG	09A	left	130 x 64,4 x 240	2,0
P	BOXTUG	09A	right	130 x 64,4 x 240	2,0

Design and adjustment

Designation	Input connector count	Output connector sound	Notes
A	1	5	1)

1) Closer specification in document 3154M

Specification

The Catalogue Sheet has been prepared on the basic of the following specifications:

No.	Version	Title
3154M	230314	PSU Conditions of Use
2468M	230904	BOXKOG Installation conditions
1068M	170516	BOXTUG Installation conditions

Usage

MIREL VZ1 – train protection system
MIREL RM1 – registration speedometer
MIREL RM2 – integrated onboard system
MIREL SOL – system of protections