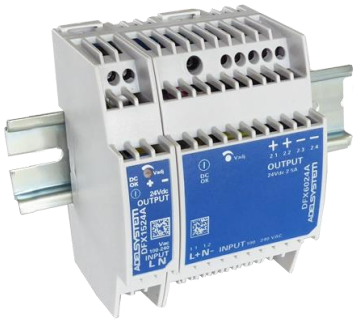
DFX Power Supply

DFX1512A – DFX1524A – DFX6012A – DFX6024A



Instruction Manual

Thank you for having chosen one of our products for your work.
We are certain that it will give the utmost satisfaction and be a notable help on your job and application.

1 Product Description

DFX Power supply a compact devices Switching technology with high efficiency, wide input voltage: single-phase 100–277 Vac, protection class II, degree of protection IP20, without connection to ground. Protected against short circuit, overload and inverted polarity, Space saving on DIN rail and wall mount.

2 Main Characteristics

	Vout	Iout	Vadj (out)	Dim.
DFX1512A	12 V	1.2 A	10.5 – 14.5	18 x 90 x 61
DFX1524A	24 V	0.65 A	10.5 – 14.5	18 x 90 x 61
DFX6012A	12 V	4.5 A	22.5 – 28	54 x 90 x 61
DFX6024A	24 V	2.5 A	22.5 – 28	54 x 90 x 61

3 Safety and warning notes

To safely operate this Device please read and follow all instructions carefully before attempting to unpack, install, or operate.
WARNING – Explosion Hazard: do not disconnect equipment unless power has been switched off or the area is known to be non-hazardous.
WARNING – Explosion Hazard. Replacement of components may impair suitability for class I, Division 2.
WARNING – Switch off the system before connecting the module. Never work on the machine when it is live. The device must be installed according to EN50178 or EN60364. The device must have a suitable isolating facility outside the power supply unit, via which it can be switched to idle. Danger of fatal injury!
WARNING – The device is equipped whit an internal fuse. If the internal fuse blows up (fails opens), it is most probable that there is a fault in the device. If this failure occurs, the device must be returned to the factory.

4 How to Install

4.1 Mounting

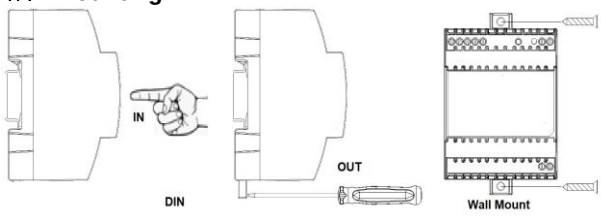


Fig. 1 – Mounting of the DFX

4.2 Din Rail or Panel Mounting

Fig. 1 shows how to install DFX. It is possible to mount the device on DIN rail or on a panel and fix it by 2 screws suggested 2.9x8-16. There is no limit for the panel thickness.

4.3 Device Connection (Fig.2)

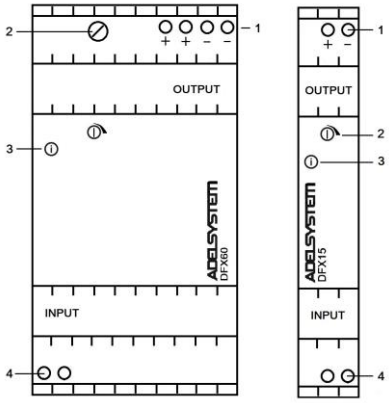


Fig. 2 –Terminal and control

Reference	Description
1	Output
2	Vout Adjust
3	Green Lamp ON if output Power Supply is Good
4	Input

4.4 Connection terminal and wiring

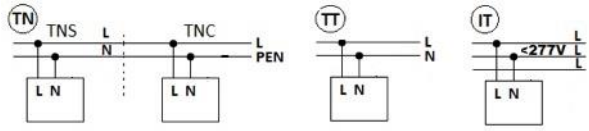
The following cable cross-sections may be used:

	Solid (mm2)	Stranded (mm2)	AWG	Torque (Nm)	Stripping Length
In:	0.2–2.5	0.2–2.5	24 – 14	0.5–0.6	7 mm
Out:	0.2–2.5	0.2–2.5	24–14	0.5–0.6	7 mm

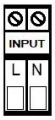
Screw type terminals, 2.5 mm2. Wiring shall be marked to indicate the proper connection for the power supply. Use copper cables only; for power connections use wires suitable for at least 75°C

4.5 Input and Output connection

Primary switch mode power supply for connection to 1-phase AC and DC line systems. For AC line systems (TN, TT and IT system in according to IEC 60364-1) whit rated voltage 110 -240, 50 – 60Hz. Output voltage 12 -24 Vdc , isolated and no-load proof.

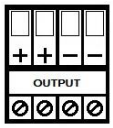


4.5.1 Input AC Port L – N:



Single phase Switching Power Supplies L, N

4.5.2 Output Load Connection



5 Disposal guideline

Recycling all package and packaging aids. The device must be recycled not in domestic recycling.

6 Technical Data

Please Refer to Data Sheet product