

DC Power Supply FZL series



FZL Series Single- and Dual Output

Linear regulated with high performance
Voltage and current regulated
All outputs with galvanic isolation
Series and parallel operation
Master - slave - operation
Programming and monitoring current - voltage
Intended for 19" rack

Option: Installed Interface Euro Card IEEE 488.2
(GPIB)/RS232 with Lab View Driver INT2E series
Integrated USB1.1 interface with driver software
External CAN Open Interface (on request)

Selection Table

Model Number	Output Voltage / Current (V) / (A)	Model Number	Output Voltage / Current (V) / (A)
FZL7,5/5G	0-7,5/0-5	FZL150/0,5G	0-150/0-0,5
FZL7,5/12G	0-7,5/0-12	FZL150/1G	0-150/0-1
FZL7,5/25G	0-7,5/0-25	FZL150/2G	0-150/0-2
FZL10/10G	0-10/0-10	FZL2x7,5/2G	2 x 0-7,5/0-2
FZL15/2G	0-15/0-2	FZL2x7,5/5G	2 x 0-7,5/0-5
FZL15/5G	0-15/0-5	FZL2x7,5/12G	2 x 0-7,5/0-12
FZL15/8G	0-15/0-8	FZL2x15/1G	2 x 0-15/0-1
FZL15/15G	0-15/0-15	FZL2x15/2G	2 x 0-15/0-2
FZL30/1G	0-30/0-1	FZL2x15/5G	2 x 0-15/0-5
FZL30/2G	0-30/0-2	FZL2x15/8G	2 x 0-15/0-8
FZL30/4G	0-30/0-4	FZL2x30/0,5G	2 x 0-30/0-0,5
FZL30/5G	0-30/0-5	FZL2x30/1G	2 x 0-30/0-1
FZL30/8G	0-30/0-8	FZL2x30/2G	2 x 0-30/0-2
FZL30/10G	0-30/0-10	FZL2x30/4G	2 x 0-30/0-4
FZL30/20GD	0-30/0-20	FZL2x30/5G	2 x 0-30/0-5
FZL50/1G	0-50/0-1	FZL2x30/10GD	2 x 0-30/0-10
FZL50/2G	0-50/0-2	FZL2x50/0,5G	2 x 0-50/0-0,5
FZL50/5G	0-50/0-5	FZL2x50/1G	2 x 0-50/0-1
FZL50/10G	0-50/0-10	FZL2x50/2G	2 x 0-50/0-2
FZL50/20GD	0-50/0-20	FZL2x50/5GD	2 x 0-50/0-5
FZL75/1G	0-75/0-1	FZL2x75/0,5G	2 x 0-75/0-0,5
FZL75/2G	0-75/0-2	FZL2x75/1G	2 x 0-75/0-1
FZL75/5G	0-75/0-5	FZL2x75/2G	2 x 0-75/0-2
FZL75/10GD	0-75/0-10	FZL2x100/0,5G	2 x 0-100/0-0,5
FZL100/0,5G	0-100/0-0,5	FZL2x100/1G	2 x 0-100/0-1
FZL100/1G	0-100/0-1	FZL2x150/0,5G	2 x 0-150/0-0,5
FZL100/2G	0-100/0-2	FZL2x150/1G	2 x 0-150/0-1
FZL100/5GC	0-100/0-5	FZL2x150/2GD	2 x 0-150/0-2

Technical Data

Input:

Input voltage (AC) 230 VAC + 10%, 50 – 60 Hz

Output:

Output voltage (DC) see table

Output current see table

Regulation:

Line regulation voltage $\leq 0,01\% U_A + 1 \text{ mV}$

(AC line change $\pm 10\%$) current $\leq 0,1\% I_A + 2 \text{ mA}$

Load regulation voltage $\leq 0,01\% U_A + 1 \text{ mV}$

(0 – 100% output load change) current $\leq 0,1\% I_A + 2 \text{ mA}$

Dynamic response $\leq 50 \mu \text{s}$

Ripple and noise voltage:

$I_{nom} \leq 10 \text{ A}$: $0,01\% U_{out} + 1 \text{ mVpk-pk}$

$I_{nom} > 10 \text{ A}$: $0,08\% U_{out} + 1 \text{ mVpk-pk}$

current: $\leq 0,05\% I_{out} + 5 \text{ mApk-pk}$

Temperature coefficient $\leq 0,05\% / \text{K}$

Protection:

Overload protection short circuit protection

Overvoltage protection option

Environmental Conditions:

Operating temperature $0 - + 50 \text{ }^\circ\text{C}$

Cooling free air convection

Operation and Control:

Programming

voltage and current

(reference - U_{out})

with $0 - 10 \text{ V} = 0 - 100\% U_{out}$, I_{out}

and master - slave - operation

same units

same units without special action

consult factory

up to $0,25 \text{ V}$ per wire

for voltage and current

LED digital, $3\frac{1}{2}$ digits

accuracy:

V-meter $0,2\% \pm 1 \text{ d}$

A-meter $0,5\% \pm 1 \text{ d}$

voltage and current

each 2 potentiometers,

coarse/fine

Master - slave - operation

Parallel operation

Remote Sense

Instruments

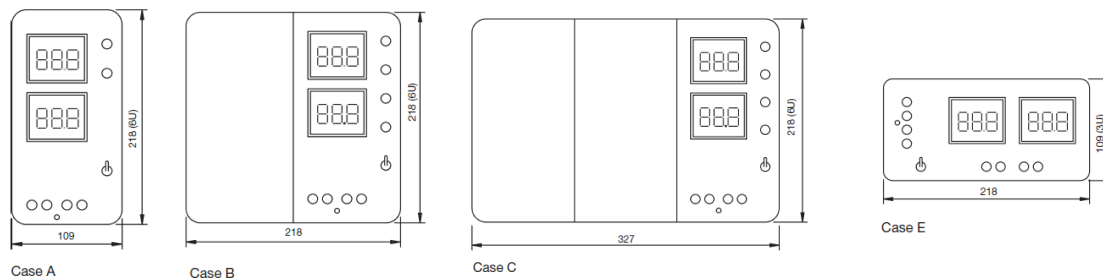
Adjustment

Physical Specifications:

Dimensions

see drawing and table

Single output:



Dual output:

