

## General

The galvanic isolation of the input and output sides as well as the alteration of the mains voltage (i.e. into a low voltage) is achieved by the transformer.

The power supply units to EN 61558 are built with either top or side mounted bridge rectifier and electronics. This both protects the electronics and enables the units to meet touch protection guidelines BGV-A2 and EN 60529.

All transformers/power supply units are fitted with angled fixing brackets and key holes to aid simple mounting.

In applications where less than 5 A is required, it is often not practical to replace linear regulated units with primary switch mode units. This is particularly true where the whole system is supplied by an unregulated or large switch mode unit.

Output voltages can become corrupted due to long cable lengths, valves, contactors, other inductive loads and DC/DC converters.

This can lead to, in the worst case, destruction of sensitive equipment or electronics. Areas such as measurement, process control, and medical machinery are especially susceptible to these problems.

Of special note with this range of power supplies, is the capability to provide excess current when necessary. This can be anything up to many times the nominal current and dependent on the level of over current necessary, lasting up to a few minutes.

## Smoothed



### MEN

Power supplies with smoothed output voltage.

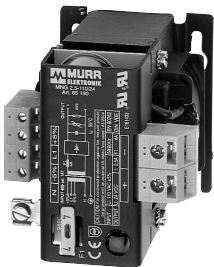
The units are touch protected and have an output fuse up to 7.5 A on the secondary AC-circuit.

Input voltage: 110/230 V AC and 230/400 V AC  $\pm 15\%$  reconnectable.

Output voltage: 24 V DC SELV

Output current: 1.0/ 2.5/ 5/ 7.5/ 10/ 15 or 20 A

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### MNG

Power supplies with smoothed output voltage.

The units are touch protected and have an output fuse on the secondary AC-circuit.

Input voltage: 110 V AC, 230 V AC or 400 V AC  $\pm 5\%$  reconnectable.

Output voltage: 24 V DC SELV

Output current: 1.0/ 2.5/ 3.5/ 5/ 7.5/ 10 A

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## Linear regulated



### NLS

The linear regulated power supplies in this series are very stable and have an extremely low ripple.

The units are touch protected, overload and short-circuit protected. DIN-rail mountable.

The integrated electronics allow a short term loading many times higher than the nominal current.

Input voltage: 230/400 V AC

Output voltage: 24 V DC SELV

Output current: 0.5/ 1/ 2/ 4 A

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### MKN

Linear regulated small DIN-rail mountable power supplies in the MCVO housing.

They require minimal space and have a stable output voltage.

Input voltage: 230 V AC

Output voltage: 5, 10,  $\pm 10$ ,  $\pm 15$  or 24 V DC as well as an adjustable version 9.5...15 V DC (each SELV)

Output current: 70...200 mA

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