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MURR
ELEKTRONIK

stay connected



| Evolution

| Compact

| Powerful

| Efficient



EVOLUTION

Setting new standards

EVOLUTION

A CONSISTENT FURTHER DEVELOPMENT

Evolution means progress. Therefore it is a perfect name for the new Murrelektronik three phase power supplies. They are a consistent development of the proven power supply series. Evolution power supplies set new standards: They are compact , powerful, and efficient.

COMPACT, POWERFUL, AND EFFICIENT

With a broad nominal input voltage range from 3 x 360 to 520 V AC or 480 to 745 V DC the Evolution power supplies are designed for worldwide use. And if one of the phases fail, the power supply will continue to function without any trouble with 2 phases only. An extra power function can supply up to 50 percent more power for a period of up to four seconds in order to power up motors or to supply capacitive loads.



COMPACT

– slim design for flexible applications combined with efficient cooling

POWERFUL

– 50 percent additional power for 4 seconds in order to power up motors or to supply capacitive loads

EFFICIENT

– with broad input voltage range, extended temperature range, and continuous two phase operation



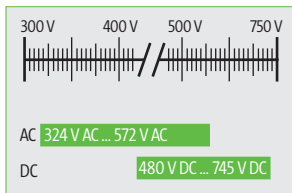
EVOLUTION – the new 2-/3 phase, Power Supply Series, for universal worldwide use

- Nominal input voltage range from 360...520 V AC or 480 ... 745 V DC
- Allows continuous two-phase-operation
- Extended temperature range from -25...+70°C (-13...158°F)
- Extra-power function allows 50 % more power for 4 seconds
- Compact design, efficient cooling
- Two color LED display
- Adjustable output voltage
- Convenient DIN rail mounting
- For parallel-series connection
- Approvals for world market
- Label plate at the power supply
- Meets the standards for application in residential areas

EVOLUTION MODELS

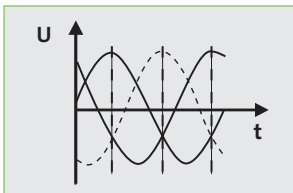
Art.-No.	Input voltage range	Output voltage	Output current	With Extra Power
85000	3 x 324...572 VAC or 480...745 VDC	22...28 VDC	5 A	7,5 A
85001	3 x 324...572 VAC or 480...745 VDC	22...28 VDC	10 A	15 A
85002	3 x 324...572 VAC or 480...745 VDC	22...28 VDC	20 A	30 A
85004	3 x 324...572 VAC or 480...745 VDC	22...28 VDC	40 A	60 A

| COMPACT; POWERFUL; AND EFFICIENT



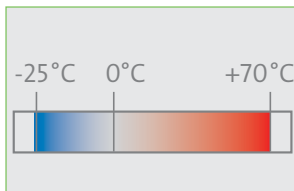
Wide input voltage range

Evolution power supplies are designed for worldwide use, due to their wide input voltage range from 3 x 324 to 572 V AC or 480 to 745 V DC.



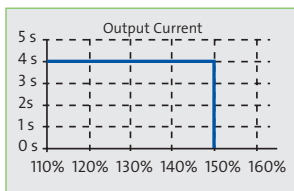
Continuous two-phase operation

Evolution power supplies are suitable for continuous two-phase operation. Thus they continue to operate if one of the phases should fail. Of course they are also suitable for use in subdistribution boards, where often only two phases are available.



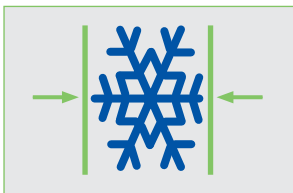
Extended temperature range

Evolution power supplies have a broad temperature range from -25 to +70°C (-13 to 158°F). The units supply a nominal current up to a temperature of 55°C (130°F). Due to the extended temperature range the power supplies are also suitable for outdoor applications, provided there is no condensation.



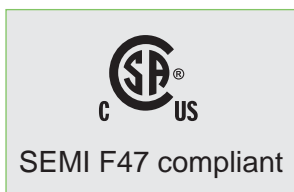
Extra- power function

For a period of up to 4 seconds Evolution power supplies supply additional power in order to power up motors or to supply capacitive loads without any problems.



Compact design, efficient cooling

Evolution power supplies feature a compact design that makes them suitable for applications in small control cabinets. The cooling fins at the side of the housing provide optimum heat dissipation and excellent cooling.



Approval for the world market

Power supplies of our Evolution series have cCSAus approval for the U.S. and Canadian market. Furthermore, they comply with the SEMI F47-standard: they ensure a stable output voltage in case of voltage drops.

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