PULS

MiniLine

ML60.241
24V, 2.5A, SINGLE PHASE INPUT

POWER SUPPLY

- 100-240V Wide Range Input
- NEC Class 2 Compliant
- Adjustable Output Voltage
- Efficiency up to 89.7%
- Low No-load Losses and Excellent Partial-load Efficiency
- Compact Design, Width only 45mm
- Full Power between -10°C and +60°C
- Large International Approval Package
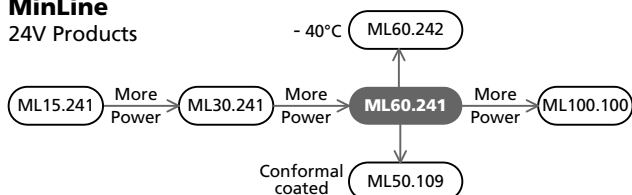- 3 Year Warranty

GENERAL DESCRIPTION

A compact size, light weight, simple mounting onto the DIN-rail and the utilization of only quality components are what makes the MiniLine power supplies so easy to use and install within seconds.

A rugged electrical and mechanical design as well as a high immunity against electrical disturbances on the mains provides reliable output power. This offers superior protection for equipment which is connected to the public mains network or is exposed to a critical industrial environment.

The MiniLine series offers output voltages from 5 to 56Vdc and a power rating from 15W to 100W.

The supplementary MiniLine decoupling diode module MLY02.100 allows building of redundant systems or to protect against back-feeding voltages.

MinLine
24V Products

ORDER NUMBERS

Power Supply	**ML60.241**	24-28V Standard unit
Accessory	MLY10.241	Redundancy Module
	UF20.241	Buffer Module

SHORT-FORM DATA

Output voltage	DC 24V	
Adjustment range	24 - 28V	
Output current	2.5A at 24V	
	2.1A at 28V	
Output power	60W	
Output ripple	< 50mVpp	20Hz to 20MHz
Input voltage	AC 100-240V	-15% / +10%
Mains frequency	50-60Hz	±6%
AC Input current	0.98 / 0.58A	at 120 / 230Vac
Power factor	0.58 / 0.5	at 120 / 230Vac
AC Inrush current	typ. 16 / 32A	peak value at 120 / 230Vac 40°C and cold start
DC Input	88-375Vdc	below 110Vdc derating required
Efficiency	87.8 / 89.7%	at 120 / 230Vac
Losses	8.3 / 6.7W	at 120 / 230Vac
Temperature range	-10°C to +70°C	operational
Derating	1.5W/°C	+60 to +70°C
Hold-up time	typ. 24 / 107ms	at 120 / 230Vac
Dimensions	45x75x91mm	WxHxD

MARKINGS

Ind. Cont. Eq. UL 508

UL 60950-1 NEC Class 2

Marine, pending

EMC, LVD

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All parameters are specified at 24V, 2.5A, 230Vac input, 25°C ambient and after a 5 minutes run-in time unless otherwise noted.

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