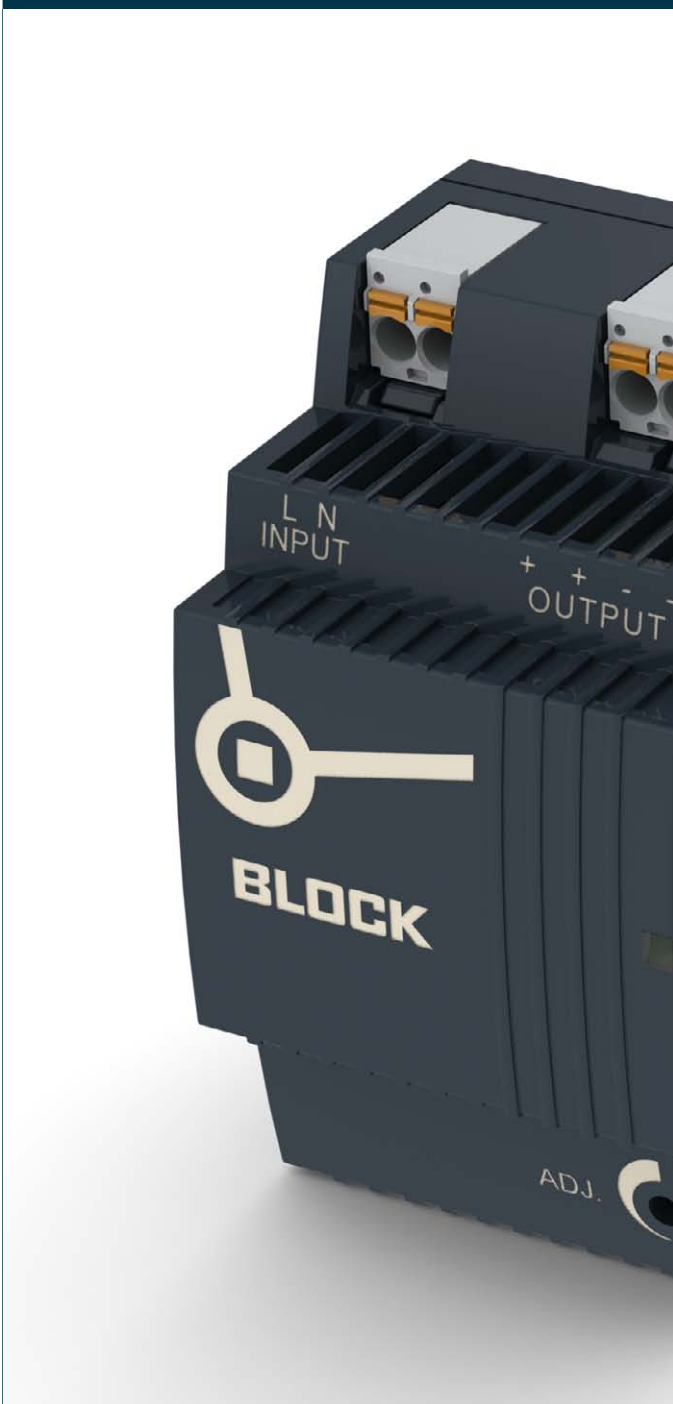


Single-phase, primary switched mode power supply **PEL Neo**



General Data

Input voltage range 85 - 264 Vac
Output rated voltage 24 Vdc \pm 2 %
Output rated current 1.3 - 4 A
Ambient temperature -25 °C to +55 °C
Efficiency up to 88 %
Protection index IP 20

Advantages

Stabilised and adjustable output voltage
DC OK signalling via LEDs
Parallel connection option
Push-in terminals
Panel installation on mounting rails

Applications

Primary switched mode power supply is concentrated on the core task of voltage and current supply. Flat step profile optimised for installation in control panels in the building automation.

Standards

Primary switched mode power supply
to UL 60950, UL 508

Safety:
EN 61558-2-16, EN 60950-1

EMC:
EN 61204-3

Approvals



UL/CSA 60950 recognised (E213214), UL508 listed (E219022),
Germanischer Lloyd



Single-phase, primary switched mode power supply **PEL Neo**

Typ	PEL-0124-013-0	PEL-0124-025-0	PEL-0124-040-0
Electrical data			
Input			
Input rated voltage	100 - 240 Vac	100 - 240 Vac	100 - 240 Vac
Input voltage range	85 - 264 Vac (120 - 373 Vdc)	85 - 264 Vac (120 - 373 Vdc)	85 - 264 Vac (120 - 373 Vdc)
Input rated current (rated load)	0.7 / 0.4 A (110 / 230 Vac)	1.4 / 0.6 A (110 / 230 Vac)	1.6 / 0.9 A (110 / 230 Vac)
Rated frequency range	44 - 66 Hz / 0 Hz	44 - 66 Hz / 0 Hz	44 - 66 Hz / 0 Hz
Starting current limiter	<30 A, NTC	<30 A, NTC	<30 A, NTC
Input fuse internal	2 A (slow-blow)	2 A (slow-blow)	4 A
Recommended back-up fuse (circuit breaker)	6 A, 10 A, 16 A, characteristics B, C	6 A, 10 A, 16 A, characteristics B, C	6 A, 10 A, 16 A, characteristics B, C
Mains buffering (rated load)	10 / 80 ms	10 / 80 ms	15 / 100 ms
Transient surge voltage protection	Varistor	Varistor	Varistor
Output			
Output rated voltage	24 Vdc	24 Vdc	24 Vdc
Output voltage range	22.8 - 26.4 Vdc	22.8 - 26.4 Vdc	22.8 - 26.4 Vdc
Output rated current	1.30 A	2.50 A	4.00 A
Resistance to reverse feed max.	30 Vdc	30 Vdc	30 Vdc
Overload behaviour	Constant current	Constant current	Constant current
Ripple factor	typ. 100 mVss	typ. 100 mVss	typ. 100 mVss
Parallel connection	Yes	Yes	Yes
Serial operation	Yes	Yes	Yes
Efficiency	typ. 82 %	typ. 88 %	typ. 88 %
Signaling			
Power Good (DC OK)	LED green	LED green	LED green
Approvals			
Approvals	cURus, cULus, GL	cURus, cULus, GL	cURus, cULus, GL
Environment			
Ambient temperature	-25 °C to +55 °C	-25 °C to +55 °C	-25 °C to +55 °C
Storage temperature	-25 °C to +85 °C	-25 °C to +85 °C	-25 °C to +85 °C
Derating	-3 %/K > +45 °C	-3 %/K > +45 °C	-3 %/K > +45 °C
Current capacity by any mounting position	max. 0.9 A	max. 1.6 A	max. 2.4 A
Safety and protection			
Protection index	IP 20	IP 20	IP 20
Safety class	II, (in closed cabinet)	II, (in closed cabinet)	II, (in closed cabinet)
Order numbers			
Order Number	PEL-0124-013-0	PEL-0124-025-0	PEL-0124-040-0

1.1

1.2

1.3

2.1

2.2

3.1

3.2

3.3

4.0

5.1

5.2



Single-phase, primary switched mode power supply **PEL Neo**

Mechanical data	Typ	Terminals input (direct plug-in technology Push-in, pluggable)	Terminals output (direct plug-in technology Push-in, pluggable)	Fixing method	Mounting position	Weight	Dimension picture (in mm)			
							A	B	C	D
PEL-0124-013-0		max. 2,5 mm ²	max. 2,5 mm ²	DIN rail system TS35	vertical	0.17 kg	54	89	59	54
PEL-0124-025-0		max. 2,5 mm ²	max. 2,5 mm ²	DIN rail system TS35	vertical	0.24 kg	72	89	59	54
PEL-0124-040-0		max. 2,5 mm ²	max. 2,5 mm ²	DIN rail system TS35	vertical	0.30 kg	90	89	59	54

Dimension pictures

