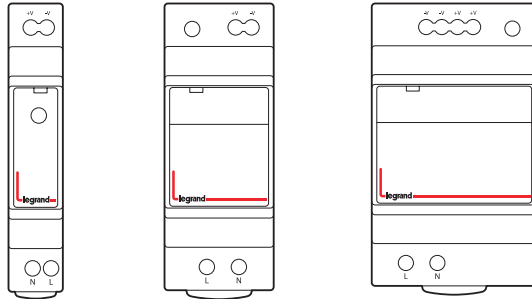


Modular single-phase stabilised switching mode power supplies

Cat. No(s): 1 467 01/1 467 11/
 1 467 12/1 467 21/1 467 22/1 467 23/1 467 24



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1. USE

Switching mode DC power supplies (electronic) for which the output voltage is independent of the fluctuations in the input voltage.

2. GENERAL CHARACTERISTICS

- Operating frequency: 50/60 Hz
- Output voltage present indicator
- Output voltage adjustment potentiometer on front panel
- Output voltage variation: $\pm 1\%$ (except 1 467 01: $\pm 2\%$)
- No-load power consumption less than 0.3 W
- Cooling by natural convection
- Integrated short-circuit and overload protection on the power supply secondary
- Modular products
- Class II insulation

3. COMPLIANCE

- UL 508 approvals
- Conforming to IEC EN 60950-1, EN 61558-2-16
- Conforming to EN 55022 class B*, EN 61000-3-2 class A, EN 61000-3-3
- Conforming to EN 61000-4-2, 3, 4, 6, level 3, criterion A
- EN 61000-4-5 and 8 level 4, criterion A
- EN 61204-3

* Class B means the power supply can be used in any environment, including residential

4. RANGES/ELECTRICAL CHARACTERISTICS

DC output voltage = 5 V or 12 V or 24 V
 Modular plastic casing

Cat. No.	Output				Input		
	Output		Nominal rating (A)	Nominal power (Pn in W)	Min-Max voltage		Current consumption (A)
	Nominal	Setting range			(VAC)	(VDC)	
1 467 01	5	4.5 - 5.5	2.4	12	85 - 264	120 - 370	0.5/0.25 ⁽¹⁾
1 467 11	12	10.8 - 13.8	2	24	85 - 264	120 - 370	0.88/0.48 ⁽¹⁾
1 467 12	12	10.8 - 13.8	4.5	54	85 - 264	120 - 370	1.2/0.8 ⁽¹⁾
1 467 21	24	21.6 - 29	0.63	15	85 - 264	120 - 370	0.5/0.25 ⁽¹⁾
1 467 22	24	21.6 - 29	1.5	36	85 - 264	120 - 370	0.88/0.48 ⁽¹⁾
1 467 23	24	21.6 - 29	2.5	60	85 - 264	120 - 370	1.2/0.8 ⁽¹⁾
1 467 24	24	24 - 25.5	3.83	92	85 - 264	120 - 370	3/1.6 ⁽¹⁾

(1): 115 V AC/230 V AC

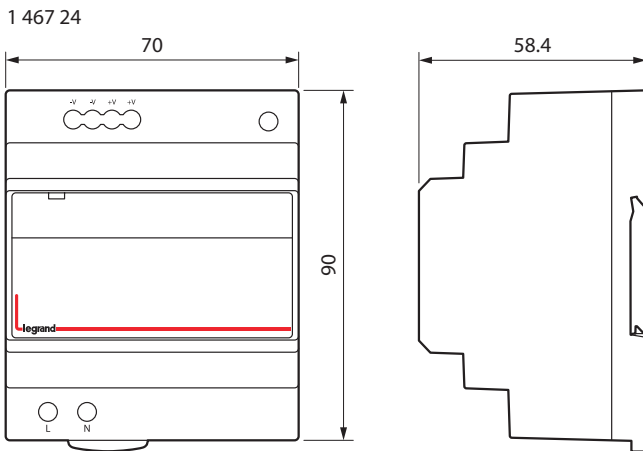
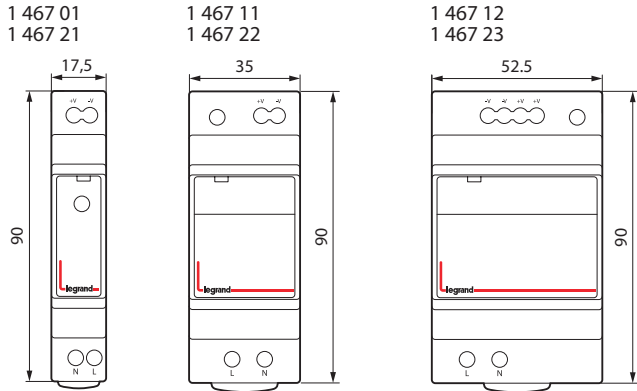
Cat. No.	Efficiency (%)	Starting time at Pn (s)	Holding time at Pn (ms)	Operating temperatures w/o derating (°C)	Internal consumption (W)
1 467 01	80	2.08/2.08 (1)	12/30 (1)	-30 to +50	3
1 467 11	88	0.55/0.55 (1)	12/30 (1)	-30 to +50	3.3
1 467 12	88	0.55/0.55 (1)	12/30 (1)	-30 to +45	7.4
1 467 21	86	2.08/2.08 (1)	12/30 (1)	-30 to +50	2.5
1 467 22	89	0.55/0.55 (1)	12/30 (1)	-30 to +50	4.5
1 467 23	90	0.55/0.55 (1)	12/30 (1)	-30 to +45	6.7
1 467 24	90	0.56/0.56 (1)	12/30 (1)	-30 to +45	10.3

(1): 115 V AC/230 V AC

Insulation voltage:

- Input/Output: 3000 V min.

5. WEIGHT AND DIMENSIONS



Cat. No.	Weight (g)
1 467 01	78
1 467 11	120
1 467 12	190
1 467 21	78
1 467 22	120
1 467 23	190
1 467 24	270

6. PROTECTION OF THE POWER SUPPLIES

Integrated protection on the secondary

Protection against overloads: automatic reset after correction of the fault.

Protection device to be used at the input of the power supplies:

Power	Cat. No.	Fuse	Circuit breaker	
			Rating	Cat. No.
12 W	1 467 01	F 500 mA H (250 V)	0.5A C	4 077 74
15 W	1 467 21			
24 W	1 467 11			
36 W	1 467 22	F 1.25A H (250 V)	2A C	4 076 93
54 W	1 467 12			
60 W	1 467 23	F 2A H (250 V)	3 A C	4 076 94
92 W	1 467 24			
		F 2A H (250V)	3 A C	4 076 94

7. POSITIONING

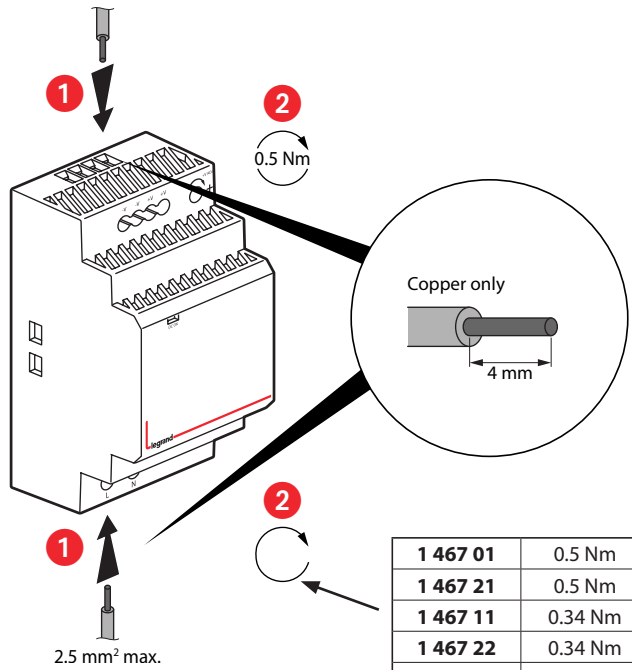
Mounting: Power supply in vertical position, input terminals (AC) at the bottom and output terminals (DC) at the top.

└ rail mounting

Environmental conditions:

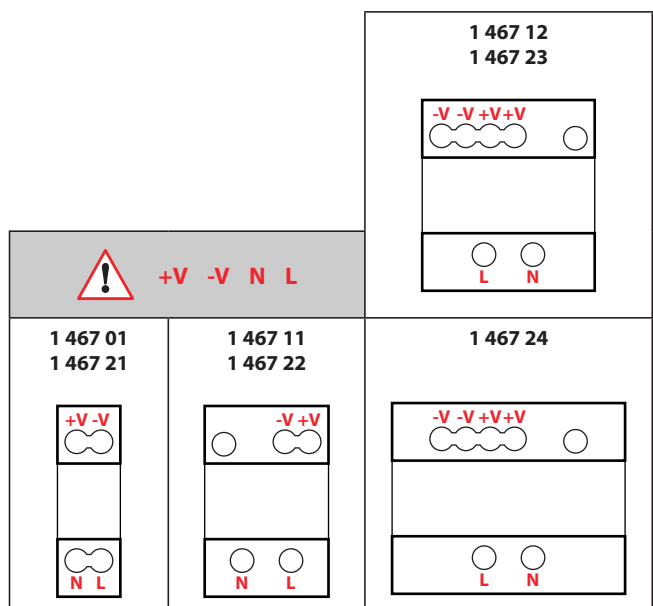
1 467 01/11/21/22	50°C max
1 467 12/23	45°C max
1 467 24	45°C max

8. CONNECTION



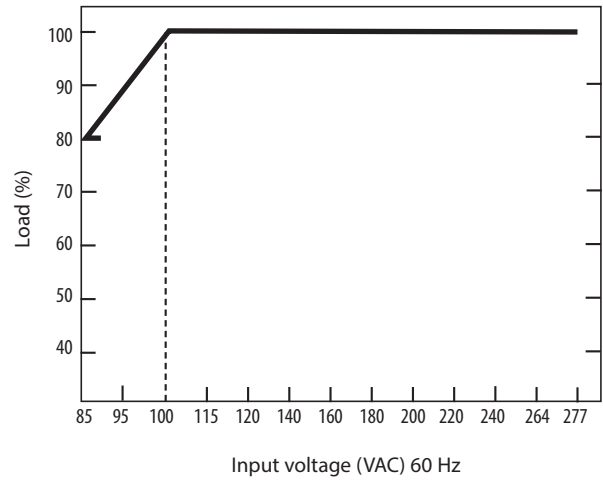
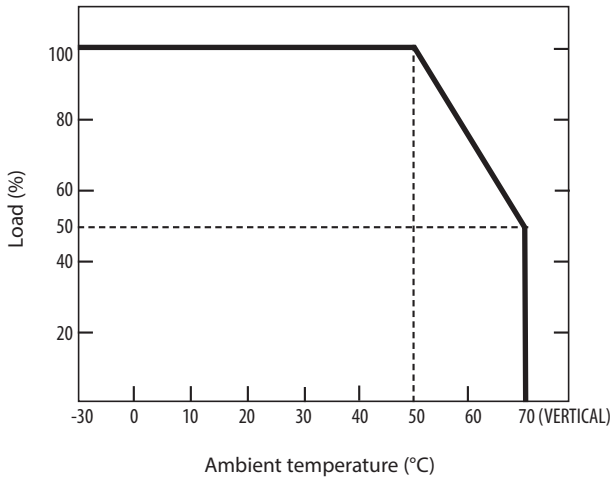
1 467 01	0.5 Nm
1 467 21	0.5 Nm
1 467 11	0.34 Nm
1 467 22	0.34 Nm
1 467 12	0.34 Nm
1 467 23	0.34 Nm
1 467 24	0.34 Nm

9. OPERATION

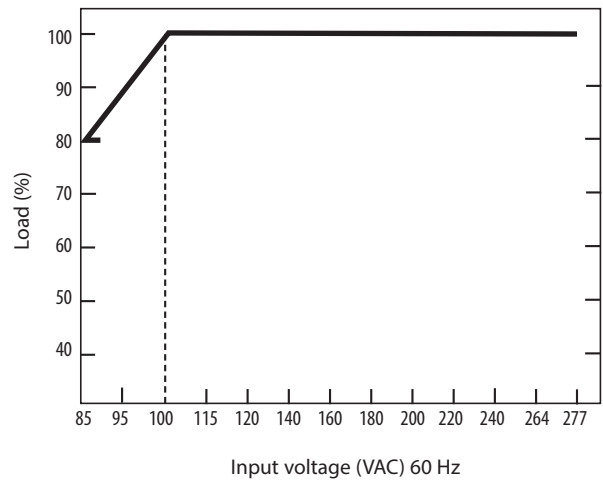
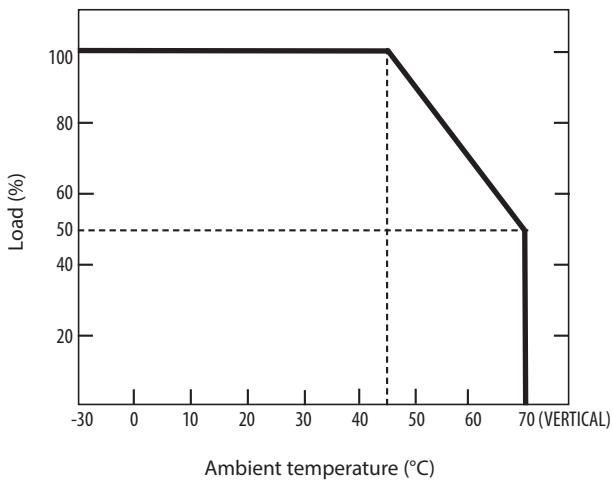


10. DERATING CURVES

1 467 01 - 1 467 11 - 1 467 21 - 1 467 22



1 467 12 - 1 467 23



1 467 24

