

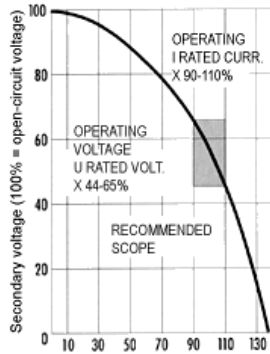
Technical Data

Mains Voltage	Nominal Min-Max Cos φ	230 VAC/50 Hz 204...254 VAC > 0.55
Operating temp	t _a	Max +40 °C
Enclosure Class		IP55
Protection Class		I (to be earthed)
Secondary Winding		Midpoint earthed

Casing Colour		RAL 7047
Enclosure Material		Stainless Steel
Dimensions/mm	H x L x W Fixing Centres	120 x 325 x 115 300
Standard Compliance		EN50107-2 EN61050 RoHS Compliant

Neon Transformer made by Neoncomp Oy	Current – mA	Secondary Voltage – V	Two secondary windings	Earth Leakage Protection	Open Circuit Protection
N	50/	8	R	E	O

Characteristic Curve



Ratio between secondary current and voltage with tube load.

Rated current/mA	Recommended operating current/mA	Short-circuit current/mA
16	14.4 – 17.6	22
25	22.5 - 27.5	34
40	36.0 - 44.0	55
50	45.0 - 55.0	68

Rated Voltage/V	Recommended operating Voltage/V
2 x 2000	2 x 880...1300
2 x 2500	2 x 1100...1625
2 x 3000	2 x 1320...1950
2 x 3150	2 x 1386...2048
2 x 4000	2 x 1760...2600
2 x 4500	2 x 1980...2925
2 x 5000	2 x 2200...3250

Installation



Connect the high voltage cables and route the cable through the clamp channel.



Use a connector to fix the shielding of the high voltage cable to the grounding terminal.



Connect the mains cables. In parallel coupling, cables can be routed via the electronics unit.



Fitting the electronics unit. Do not over tighten the fixing screws. Check the gasket and washers.

REO Models

Order Number	Type	Primary 230 V 50 Hz cos φ 0.55		Capacitor (Not incl.) μF	Secondary		Dimensions (mm)			Weight (pcs) kg	Package	
		VA	A		V	mA	Length/ fixing	Height	Width		pcs	kg
12803	N 16/4 REO	83	0.36	4.0	2 x 2000	16	325/300	120	115	6.2	3	18.6
12807	N 25/3.2 REO	104	0.45	6.0	2 x 1600	25	325/300	120	115	5.7	3	17.1
12805	N 25/4 REO	130	0.57	6.3	2 x 2000	25	325/300	120	115	6.1	3	18.3
12809	N 25/5 REO	164	0.71	8.0	2 x 2500	25	325/300	120	115	6.2	3	18.6
12810	N 25/6.3 REO	205	0.84	8.0	2 x 3150	25	325/300	120	115	6.2	3	18.6
12812	N 25/8 REO	260	1.13	10.0	2 x 4000	25	325/300	120	115	6.2	3	18.6
12814	N 25/10 REO	327	1.42	12.5	2 x 5000	25	325/300	120	115	7.2	3	21.6
x	N 35/6.3 REO	287	1.25	10.0	2 x 3150	35	325/300	120	115	7.7	3	23.1
12819	N 35/8 REO	391	1.70	12.5	2 x 4000	35	325/300	120	115	7.9	3	23.7
12820	N 40/3.2 REO	160	0.71	6.0	2 x 1600	40	325/300	120	115	5.9	3	17.7
12821	N 40/4 REO	208	0.90	8.0	2 x 2000	40	325/300	120	115	6.4	3	19.2
12822	N 40/5 REO	260	1.13	10.0	2 x 2500	40	325/300	120	115	6.2	3	18.6
12831	N 40/6.3 REO	327	1.42	12.5	2 x 3150	40	325/300	120	115	7.2	3	21.6
12824	N 40/8 REO	416	1.81	16.0	2 x 4000	40	325/300	120	115	7.2	3	21.6
12825	N 40/10 REO	520	2.26	20.0	2 x 5000	40	325/300	120	115	8.9	3	26.7
12839	N 50/3.2 REO	208	0.90	8.0	2 x 1600	50	325/300	120	115	6.1	3	18.3
12828	N 50/4 REO	260	1.13	10.0	2 x 2000	50	325/300	120	115	6.2	3	18.6
12829	N 50/5 REO	324	1.41	12.5	2 x 2500	50	325/300	120	115	7.2	3	21.6
12823	N 50/6.3 REO	409	1.78	16.0	2 x 3150	50	325/300	120	115	7.9	3	23.7
12832	N 50/7 REO	455	1.98	20.0	2 x 3500	50	325/300	120	115	7.9	3	23.7
12833	N 50/8 REO	520	2.26	20.0	2 x 4000	50	325/300	120	115	8.9	3	26.7
12836	N 50/9 REO	585	2.54	25.0	2 x 4500	50	325/300	120	115	9.0	3	27.0
x	N 63/4 REO	327	1.42	12.5	2 x 2000	63	325/300	120	115	6.4	3	19.2
x	N 63/5 REO	409	1.78	16.0	2 x 2500	63	325/300	120	115	8.9	3	26.7
x	N 63/6.3 REO	515	2.24	20.0	2 x 3150	63	325/300	120	115	8.9	3	26.7
x	N 75/3.2 REO	313	1.36	12.5	2 x 1600	75	325/300	120	115	7.2	3	21.6
x	N 75/4 REO	391	1.70	16.0	2 x 2000	75	325/300	120	115	7.2	3	21.6
x	N 75/5 REO	488	2.12	20.0	2 x 2500	75	325/300	120	115	8.9	3	26.7
x	N 75/6 REO	584	2.54	25.0	2 x 3000	75	325/300	120	115	8.9	3	26.7
x	N 100/3.2 REO	416	1.81	16.0	2 x 1600	100	325/300	120	115	8.9	3	26.7
x	N 100/4 REO	520	2.26	20.5	2 x 2000	100	325/300	120	115	8.9	3	26.7