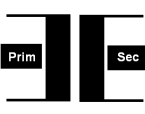


Series characteristics

Series	EN	     	
Type of construction	Enclosed ABS plastic housing		
Ingress protection index	IP67		
Ambient operating temperature min. ~ max.	-5 ... +30°C		
Operational temperature rise	+ 55°C		
Operating humidity RH non-condensing	20 ~ 90%		
Operating altitude above sea level max.	≤ 1000 M		
Protective earth class	Class 1		
Cooling class	AN (Air Natural)		
Insulation class	Class B 130°C		
Short-circuit / overload protection (Internal device fitted)	Prim input "T" fuse (Glass 20mm * 5mm)		
Over-load protection (external device required)	Not required		
Isolation Pri/Earth, Pri/Sec, Sec/Earth	4.0kV		

Product specifications

Product	Prim Input Volt (vac)	Prim Input Current F/L (A)	Prim Fuse value (A)	Prim in-rush current F/L (A)	Sec Output volt F/L (vac)	Sec output volt O/C (vac)	Sec Output Current F/L (A)	Total power rating (V.A)	Frequency range (Hz)	Max overload capacity (%)	Short-circuit voltage (%)	Core Excite (mag) Current (A)	Nominal Loss (W)	Isolation Class	Manufactured Standard ASNZS
EN12	230	0.130	T0.16	2.93	12	14.1	2.50	30	47 ~ 63	115	13.0	0.027	3.1	Safety isolating	ASNZS 61558.2.6
EN13	230	0.220	T0.25	4.95	12	14.0	4.17	50	47 ~ 63	125	16.0	0.042	4.8	Safety isolating	ASNZS 61558.2.6
EN14	230	0.440	T0.50	9.90	12	13.6	8.33	100	47 ~ 63	125	9.1	0.043	5.0	Safety isolating	ASNZS 61558.2.6
EN16	230	0.870	T1.00	19.6	12	12.7	16.7	200	47 ~ 63	125	5.6	0.080	9.2	Safety isolating	ASNZS 61558.2.6
EN19	230	0.130	T0.16	2.93	24	28.3	1.25	30	47 ~ 63	115	10.9	0.027	3.1	Safety isolating	ASNZS 61558.2.6
EN20	230	0.220	T0.25	4.95	24	27.9	2.08	50	47 ~ 63	125	7.4	0.037	4.3	Safety isolating	ASNZS 61558.2.6
EN21	230	0.440	T0.50	9.90	24	27.2	4.17	100	47 ~ 63	125	10.7	0.043	5.0	Safety isolating	ASNZS 61558.2.6
EN23	230	0.870	T1.00	19.6	24	25.3	8.33	200	47 ~ 63	125	7.0	0.080	9.2	Safety isolating	ASNZS 61558.2.6
EN26	230	0.130	T0.16	2.93	115	125.0	0.26	30	47 ~ 63	115	9.9	0.027	3.1	Isolating	ASNZS 61558.2.4
EN27	230	0.220	T0.25	4.95	115	125.0	0.44	50	47 ~ 63	125	11.9	0.036	4.1	Isolating	ASNZS 61558.2.4
EN28	230	0.440	T0.50	9.90	115	125.0	0.87	100	47 ~ 63	125	8.9	0.043	5.0	Isolating	ASNZS 61558.2.4
EN29	230	0.870	T1.00	19.6	115	121.1	1.74	200	47 ~ 63	125	5.3	0.081	9.3	Isolating	ASNZS 61558.2.4
EN30	230	1.300	T1.60	29.3	115	121.7	2.61	300	47 ~ 63	125	5.1	0.112	12.9	Isolating	ASNZS 61558.2.4
EN33	400	0.130	T0.125	2.93	230	242.0	0.22	50	47 ~ 63	125	11.9	0.021	4.2	Isolating	ASNZS 61558.2.4
EN34	400	0.250	T0.25	5.63	230	242.0	0.44	100	47 ~ 63	125	9.0	0.029	5.8	Isolating	ASNZS 61558.2.4
EN35	400	0.500	T0.50	11.25	230	242.0	0.87	200	47 ~ 63	125	5.4	0.046	9.2	Isolating	ASNZS 61558.2.4
EN36	400	0.750	T0.80	16.88	230	243.7	1.30	300	47 ~ 63	125	5.0	0.065	13.0	Isolating	ASNZS 61558.2.4
EN39	400	0.075	T0.10	1.69	12	14.1	2.50	30	47 ~ 63	115	14.0	0.016	3.2	Safety isolating	ASNZS 61558.2.6
EN40	400	0.130	T0.125	2.93	12	14.0	4.17	50	47 ~ 63	125	15.4	0.024	4.8	Safety isolating	ASNZS 61558.2.6
EN41	400	0.250	T0.25	5.63	12	13.6	8.33	100	47 ~ 63	125	12.6	0.030	6.0	Safety isolating	ASNZS 61558.2.6
EN44	400	0.075	T0.10	1.69	24	28.3	1.25	30	47 ~ 63	115	11.8	0.015	3.0	Safety isolating	ASNZS 61558.2.6
EN45	400	0.130	T0.125	2.93	24	27.9	2.08	50	47 ~ 63	125	14.0	0.021	4.2	Safety isolating	ASNZS 61558.2.6
EN46	400	0.250	T0.25	5.63	24	27.2	4.17	100	47 ~ 63	125	11.3	0.031	6.2	Safety isolating	ASNZS 61558.2.6
EN49	400	0.075	T0.10	1.69	115	125.0	0.26	30	47 ~ 63	115	12.9	0.015	3.0	Isolating	ASNZS 61558.2.4
EN50	400	0.130	T0.125	2.93	115	125.0	0.44	50	47 ~ 63	125	13.8	0.021	4.2	Isolating	ASNZS 61558.2.4
EN51	400	0.250	T0.25	5.63	115	125.0	0.87	100	47 ~ 63	125	11.0	0.029	5.8	Isolating	ASNZS 61558.2.4
EN52	400	0.500	T0.50	11.25	115	121.2	1.74	200	47 ~ 63	125	5.1	0.046	9.2	Isolating	ASNZS 61558.2.4
EN53	400	0.750	T0.80	16.88	115	121.9	2.61	300	47 ~ 63	125	5.1	0.065	13.0	Isolating	ASNZS 61558.2.4

"T" fuse = time delayed fuse (slow blow) no rupture during inrush start-up
"C" MCB = fast trip

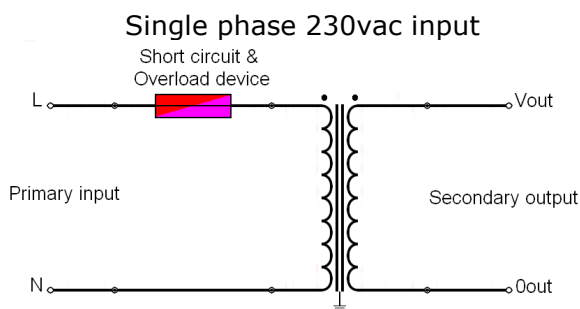
"D" MCB = time delayed MCB no trip during inrush start-up
F/L = full load current

"F" fuse = fast blow (normal blow)
O/C = open circuit no load

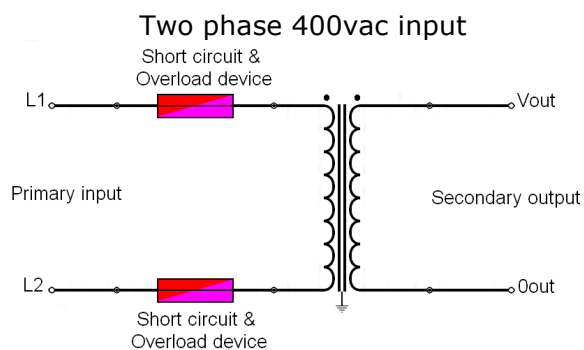
Terminations

Voltage	VA rating	Prim input termination	Prim input lead colours	Prim input lead length	Sec output termination	Sec output lead colours	Sec output lead length
12vac	30~200	-	-	-	2-way TB (0.6~6.0mm ²)	Black – Black	-
24vac	30~200	-	-	-	2-way TB (0.6~6.0mm ²)	White – White	-
115vac	30~300	-	-	-	2-way TB (0.6~6.0mm ²)	Orange – Orange	-
230vac	30~300	3-way fused TB (0.5~2.5mm ²)	Blue – Brown	-	2-way TB (0.6~6.0mm ²)	Brown – Brown	-
400vac	30~300	3-way fused TB *2 (0.5~2.5mm ²)	Blue – Red	-	-	-	-

Schematic diagram



Note - Primary input short circuit & overload slow blow protection fusing fitted.



Note - Primary input short circuit & overload slow blow protection fusing fitted.

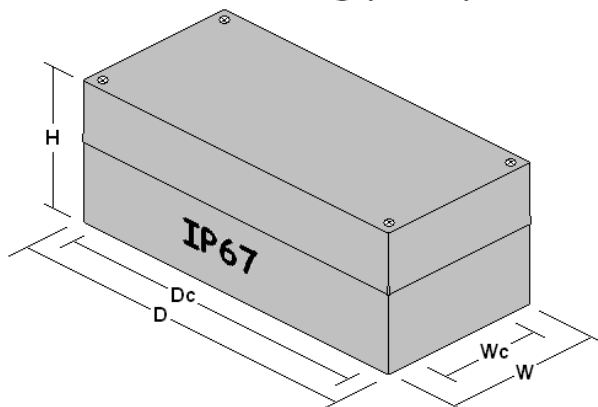
Dimensions

Product VA rating	H Height (mm)	W Width (mm)	D Depth (mm)	Mounting Method	Mounting centres (mm)	Mounting fixings	Weight (kg)
30V.A	85	80	250	Internal through Base	62 (Wc) x 232 (Dc)	Ø 4.0 mm	1.0
50V.A	85	80	250	Internal through Base	62 (Wc) x 232 (Dc)	Ø 4.0 mm	1.5
100V.A	85	80	250	Internal through Base	62 (Wc) x 232 (Dc)	Ø 4.0 mm	2.1
200V.A	130	150	250	Internal through Base	132 (Wc) x 232 (Dc)	Ø 4.0 mm	4.8
300V.A	130	150	250	Internal through Base	132 (Wc) x 232 (Dc)	Ø 4.0 mm	5.4

Drawing

Transformers rated 30~100V.A

"ABS" housing (small)



Transformers rated 200~300V.A

"ABS" housing (large)

