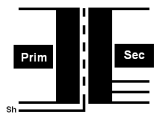
Series characteristics

Series	TX
Type of construction	Open frame
Ingress protection index	IP00
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 with electrostatic shield (Faraday screen)
Cooling class	AN (Air Natural)
Insulation class	Class B 130°C
Short-circuit protection (external device required)	Input "T" fuse or "D" MCB
Over-load protection (external device required)	Output "F" fuse or "C" MCB
Isolation Pri/shield/Earth, Pri/Sec, Sec/shield/Earth	4.0kV

IP00



Electrostatic shield fitted between primary & secondary, tapped secondary winding

Safety Isolating non-short circuit proof

ASNZS / IEC 61558

NEW ZEALAND MADE

Product specifications

Product	Prim Input Volt (vac)	Prim Input Current F/L (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)	Sec Overload device value (A)	Total power rating (V.A)	Freq-uency range (Hz)	Max overload capacity (%)	Short-circuit voltage (%)	Core Excite (mag) Current (A)	Nominal Loss (W)	Isolation Class	Manufactured Standard ASNZS
TX010	230	0.043	0.98	24	28.4	0.41	0.50	10	47 ~ 63	115	16	0.019	3.0	Safety isolating	ASNZS 61558.2.6
TX030	230	0.130	2.93	24 (tap) 26	28.3 30.6	1.25	1.25	30	47 ~ 63	115	14	0.032	7.2	Safety isolating	ASNZS 61558.2.6
TX050	230	0.220	5.28	22 (tap) 24 (tap) 26	25.6 27.9 30.3	2.08	2.50	50	47 ~ 63	125	12	0.031	9.9	Safety isolating	ASNZS 61558.2.6
TX070	230	0.304	6.85	22 (tap) 24 (tap) 26	25.6 27.7 29.8	2.91	3.00	70	47 ~ 63	125	12	0.039	12.2	Safety isolating	ASNZS 61558.2.6
TX100	230	0.440	9.78	22 (tap) 24 (tap) 26	24.9 27.2 29.5	4.16	5.00	100	47 ~ 63	125	23	0.053	15.6	Safety isolating	ASNZS 61558.2.6
TX150	230	0.652	14.7	22 (tap) 24 (tap) 26	23.8 25.7 27.6	6.25	7.50	150	47 ~ 63	125	23	0.116	17.8	Safety isolating	ASNZS 61558.2.6
TX250	230	1.089	24.46	22 (tap) 24 (tap) 26	24.2 26.5 28.2	10.41	12.5	250	47 ~ 63	125	23	0.175	23.8	Safety isolating	ASNZS 61558.2.6
TX500	230	2.173	48.9	22 (tap) 24 (tap) 26	22.9 24.7 26.5	20.83	25.0	500	47 ~ 63	125	23.6	0.335	37.7	Safety isolating	ASNZS 61558.2.6

"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

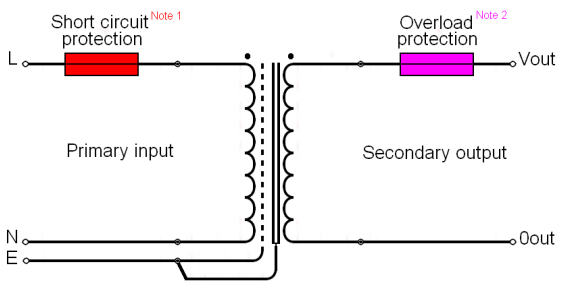
"F" fuse = fast blow (normal blow)
O/C = open circuit no load

Terminations

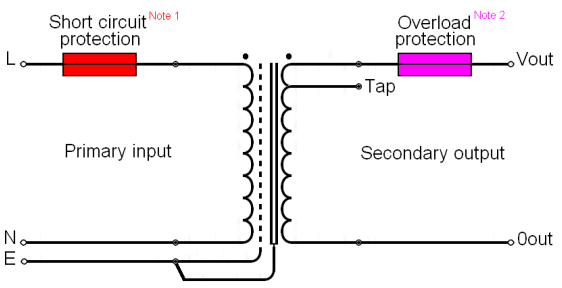
Voltage	VA rating	Prim input termination	Prim input lead colours	Prim input lead length	Sec output termination	Sec output lead colours	Sec output lead length
0 – 24vac	10	-	-	-	2-way terminal block	Black – Orange	-
0 – 24 – 26vac	30	-	-	-	3-way terminal block	Black – Orange – White	-
0 – 22 – 24 – 26vac	50 ~ 500	-	-	-	4-way terminal block	Black – Orange – Orange – White	-
230vac Phase – Neutral – Earth	10 ~ 500	3-way terminal block	Brown – Blue – Green/Yellow	-	-	-	-

Schematic diagram

10V.A



30V.A



Note 1 - Primary input short circuit protection device external to transformer, installer to supply and fit. The protective device shall be rated to the maximum current rating of the wiring supplying the transformer. Recommend slow blow fuse or "D" curve circuit breaker.

Note 2 - Secondary output overload protection device external to transformer, installer to supply and fit. The protective device shall be rated to the capacity indicated on the transformer label and/or accompanying documentation. Recommend fast blow fuse or "C" curve circuit breaker.

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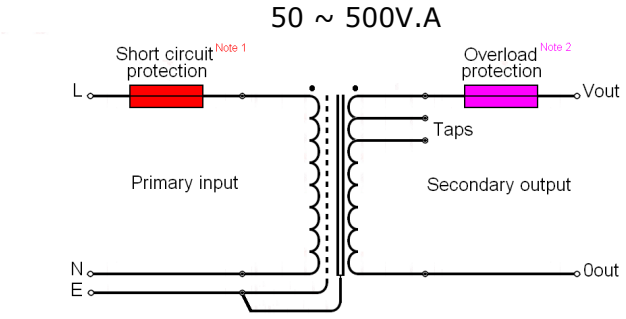
Schematics continued next page…

Schematic diagram



Note 1 - Primary input short circuit protection device external to transformer, installer to supply and fit. The protective device shall be rated to the maximum current rating of the wiring supplying the transformer. Recommend slow blow fuse or "D" curve circuit breaker.

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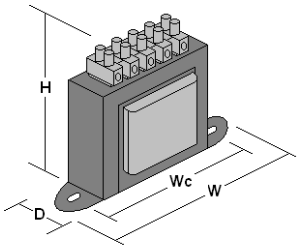
Dimensions

Product VA rating	H Height (mm)	W Width (mm)	D Depth (mm)	Mounting Method	Mounting centres (mm)	Mounting fixings	Weight (kg)
10V.A	68	84	40	"U" Clamp	70 (Wc)	Slotted 3 x 5 mm	0.4
30V.A	76	92	45	"U" Clamp	82 (Wc)	Slotted 4 x 6 mm	0.6
50V.A	97	64	51	"L" Feet	38 (Wc) x 41 (Dc)	Ø 4.0 mm	1.0
70V.A	97	64	64	"L" Feet	38 (Wc) x 47 (Dc)	Ø 4.0 mm	1.2
100V.A	97	64	69	"L" Feet	38 (Wc) x 58 (Dc)	Ø 4.0 mm	1.7
150V.A	145	96	80	"L" Feet	63 (Wc) x 63 (Dc)	Ø 5.0 mm	3.6
250V.A	145	96	98	"L" Feet	63 (Wc) x 78 (Dc)	Ø 5.0 mm	4.9
500V.A	145	96	130	"L" Feet	63 (Wc) x 114 (Dc)	Ø 5.0 mm	7.8

Drawings

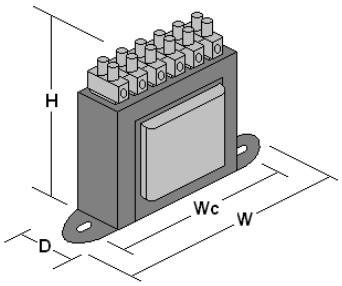
Transformer rated 10V.A

"U" clamp



Transformer rated 30V.A

"U" clamp



Transformers rated 50 ~ 500V.A

"L" feet