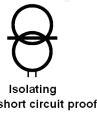


Series characteristics

Series	ISA	   
Type of construction	Enclosed	
Ingress protection index	IP40	
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 & II	
Cooling class	AN (Air Natural)	
Insulation class	Class B 130°C	
Short-circuit / overload protection (Internal device fitted)	Refer specifications	
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 Short-circuit / overload (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)	Freq- uency range (Hz)	Max overload capacity (%)	Core Excite (mag) Current (A)	Nominal Loss (W)	Protective Earth Class	Isolation Class	Manufactured Standard ASNZS
ISA0120012	230	0.06	TF	1.35	12	14.4	1.00	12	47 ~ 63	105	0.004	0.5	II	Safety Isolating	ASNZS 61558.2.6
ISA0240024	230	0.11	TF	2.48	24	25.5	1.00	24	47 ~ 63	105	0.030	3.5	II	Safety Isolating	ASNZS 61558.2.6
ISA0240030	230	0.13	TT	2.93	24	27.2	1.25	30	47 ~ 63	105	0.026	3.0	I	Safety Isolating	ASNZS 61558.2.6
ISA0240050	230	0.22	TT	4.95	24	26.9	2.08	50	47 ~ 63	105	0.037	4.3	I	Safety Isolating	ASNZS 61558.2.6
ISA0240120	230	0.52	TT	11.7	24	26.4	5.00	120	47 ~ 63	105	0.067	7.7	I	Safety Isolating	ASNZS 61558.2.6
ISA1150230	230	1.00	TT & fuse T5.0	22.5	115	119.5	2.00	230	47 ~ 63	110	0.080	9.2	I	Isolating	ASNZS 61558.2.4
ISA1150575	230	2.50	TT & fuse T5.0	56.3	115	119.6	5.00	575	47 ~ 63	110	0.200	23.0	I	Isolating	ASNZS 61558.2.4
ISA1151150	230	5.00	TT & fuse T10.0	112.5	115	117.9	10.0	1150	47 ~ 63	110	0.400	46.0	I	Isolating	ASNZS 61558.2.4
ISA1151725	230	7.50	TT & fuse T10.0	168.8	115	118.6	15.0	1725	47 ~ 63	110	0.600	34.5	I	Isolating	ASNZS 61558.2.4
ISA2300230	230	1.00	TT & fuse T5.0	22.5	230	238.9	1.00	230	47 ~ 63	110	0.080	9.2	I	Isolating	ASNZS 61558.2.4
ISA2300575	230	2.50	TT & fuse T5.0	56.3	230	238.9	2.50	575	47 ~ 63	110	0.200	23.0	I	Isolating	ASNZS 61558.2.4
ISA2301150	230	5.00	TT & fuse T10.0	112.5	230	235.8	5.00	1150	47 ~ 63	110	0.400	46.0	I	Isolating	ASNZS 61558.2.4
ISA2301725	230	7.50	TT & fuse T10.0	168.8	230	237.2	7.50	1725	47 ~ 63	110	0.600	34.5	I	Isolating	ASNZS 61558.2.4
ISA2302300	230	10.0	TT & fuse T10.0	225.0	230	237.5	10.0	2300	47 ~ 63	110	0.800	92.0	I	Isolating	ASNZS 61558.2.4

"T" fuse = time delayed fuse (slow blow) no rupture during inrush start-up
Fuse = 20mm * 5mm glass type fuse

"TF" = Thermal fuse non resettable
F/L = full load current

"TT" = Thermal trip self resetting
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 & 24vac	12 ~ 120	-	-	-	2-Core 0.75mm ² flexible output lead	Black – Black/White stipe	1.8 meter
115vac	230 ~ 1725	-	-	-	US 3-pin 15 amp socket outlet (panel mounting)	-	-
230vac	12 ~ 24	NZ 3-pin 10 amp plug (Plug-pack)	-	-	-	-	-
230vac	30 ~ 120	NZ 3-pin 10 amp 3-Core flex & plug (In-line)	Blue – Brown – Green	1.8 meter	-	-	-
230vac	230 ~ 2300	NZ 3-pin 10 amp 3-Core IEC cordset (In-line)	Blue – Brown – Green	1.8 meter	NZ 3-pin 10 amp socket outlet (panel mounting)	-	-

Connectors input

230vac input plug (plug-pack)



230vac input flex & plug (in-line)

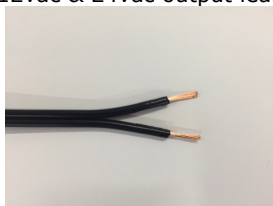


230vac input IEC cordset (in-line)



Connectors output

12vac & 24vac output lead



115vac 15 amp output socket outlet

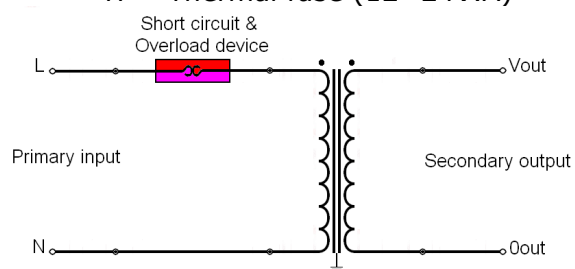


230vac 10 amp output socket outlet



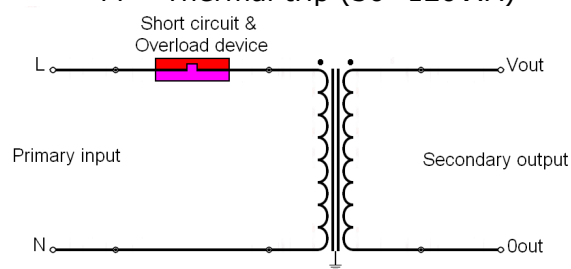
Schematic diagram

TF – Thermal fuse (12~24V.A)



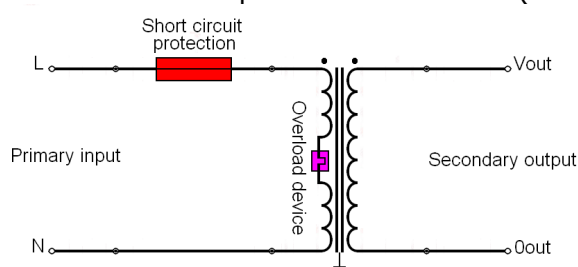
Note - Primary input short circuit & overload thermal fuse protection fitted non-resetting type.

TT – Thermal trip (30~120V.A)



Note - Primary input short circuit & overload thermal trip protection fitted self-resetting type.

TT & Fuse "T" – Thermal trip & fuse slow blow (230~2300V.A)



Note - Primary input short circuit slow blow fuse protection fitted with IEC appliance inlet. Overload thermal trip protection fitted, self resetting type

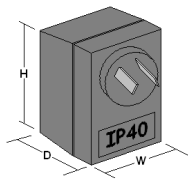
Dimensions

Product VA rating	H Height (mm)	Hh Height of handle (mm)	W Width (mm)	D Depth (mm)	Weight (kg)	Housing	Misc.
12V.A ~ 24V.A	60	-	75	55	12V.A = 0.3kg	Plug-pack (ABS plastic)	-
					24V.A = 0.4kg		
30V.A ~ 120V.A	75	-	95	205	30V.A = 1.0kg	In-line (ABS plastic)	-
					50V.A = 1.3kg		
					120V.A = 2.5kg		
230V.A	105	-	100	170	6.0kg	In-line (mild steel)	-
575V.A	150	40	100	240	11.0kg	In-line (mild steel)	Carry handle * 1
1150V.A	220	40	130	300	18.0kg	In-line (mild steel)	Carry handle * 2
1725V.A	220	40	130	300	25.0kg	In-line (mild steel)	Carry handle * 2
2300V.A	220	40	160	300	27.0kg	In-line (mild steel)	Carry handle * 2

Drawings

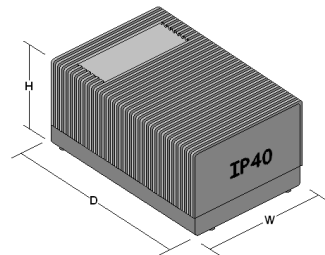
Plug-pack 12~24V.A

"ABS" plastic



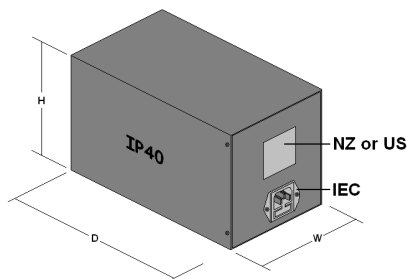
In-line 30~120V.A

"ABS" plastic



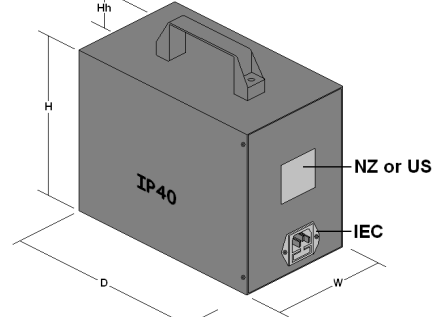
In-line 230V.A

Mild steel



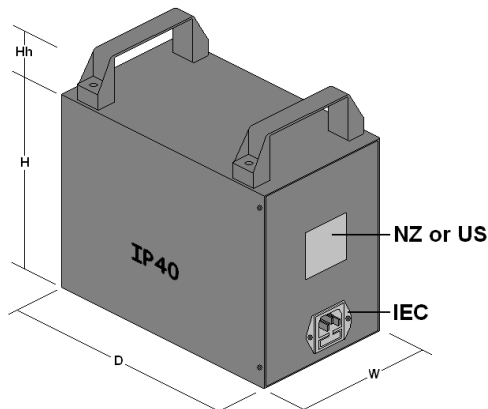
In-line 575V.A

Mild steel



In-line 1150~2300V.A

Mild steel



IEC inlet

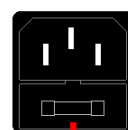
NZ socket

US socket

230vac, 10 amp

230vac, 10 amp

115vac, 15 amp



Fuse draw

