

Technical Data Sheet for Toroidal & Shell Type Control Transformers

Product	Toroidal & Control Transformer	Toroidal & Control Transformer	Toroidal & Control Transformer	Toroidal & Control Transformer
Type	Tape Wound 1 Phase	Tape Wound 3 Phase	Resin Cast 1 Phase	Resin Cast 3 Phase
Make	Pelton Power	Pelton Power	Pelton Power	Pelton Power
Use	Indoor	Indoor	Indoor	Indoor
System	Up to 660V, 50/60 HZ	Up to 660V, 50/60 HZ	Up to 1100V, 50/60 HZ	Up to 1100V, 50/60 HZ
Insulation	Tape	Tape	Epoxy Resin	Epoxy Resin
Insulation Class	B (120 degree C)	B (120 degree C)	B (120 degree C)	B (120 degree C)
Ambient temp.	40 degree C	40 degree C	40 degree C	40 degree C
Insulation Level	0.66/3.0 KV	0.66/3.0 KV	0.66/3.0 KV/1.1 /4.0 KV	0.66/3.0 KV/1.1 /4.0 KV
Rated Voltage	Pri : 110 to 440 V	Pri : 110 to 440 V	Pri : 110 to 440 V	Pri : 415 to 440 V
	Sec 24 / 110 / 240 V	Sec 24 / 110 / 240 V	Sec 24 / 110 / 240 V	Sec 110 / 240 / 415 V
Tappings	+/- 2.5 & 5 %	+/- 2.5 & 5 %	+/- 2.5 & 5 %	+/- 2.5 & 5 %
Rating	Toroidal - 50 VA to 10 KVA	Toroidal - 50 VA to 10 KVA	Toroidal - 50 VA to 5 KVA	Toroidal - 50 VA to 10 KVA
	Shell Type - 50 VA to 5 KVA	Shell Type - 50 VA to 10 KVA	Shell Type - 50 VA to 5 KVA	Shell Type - 50 VA to 10 KVA
Vector Group	Not Applicable	YN-Yn-0 or D-Yn-11, D-D-0	Not Applicable	YN-Yn-0 or D-Yn-11, D-D-0
Cont.Overvoltage capacity	110%	110%	110%	110%
Regulation	Toroidal < +/- 3 % / Shell Type < +/- 5%	Toroidal < +/- 3 % / Shell Type < +/- 5%	Toroidal < +/- 3 % / Shell Type < +/- 5%	Toroidal < +/- 3 % / Shell Type < +/- 5%
Short time thermal rating	50 x Rated current	50 x Rated current	50 x Rated current	50 x Rated current
No Load exciting current	Toroidal < 5 % / Shell Type 10 %	Toroidal < 5 % / Shell Type 10 %	Toroidal < 5 % / Shell Type 10 %	Toroidal < 5 % / Shell Type 10 %
Efficieency	Toroidal type > 97 %/Shell Type 85%	Toroidal type > 97 %/Shell Type 85%	Toroidal type > 97 %/Shell Type 85%	Toroidal type > 97 %/Shell Type 85%
Degree of protection	IP 11	IP 11	IP 11	IP 11
Standard specification	IS 12021 & 11171 / BS 3535	IS 12021 & 11171 / BS 3535	IS 12021 & 11171 / BS 3535	IS 12021 & 11171 / BS 3535

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