CONTACT VOLTAGE REGULATOR

$T_S^D G_2^1$ Cseries

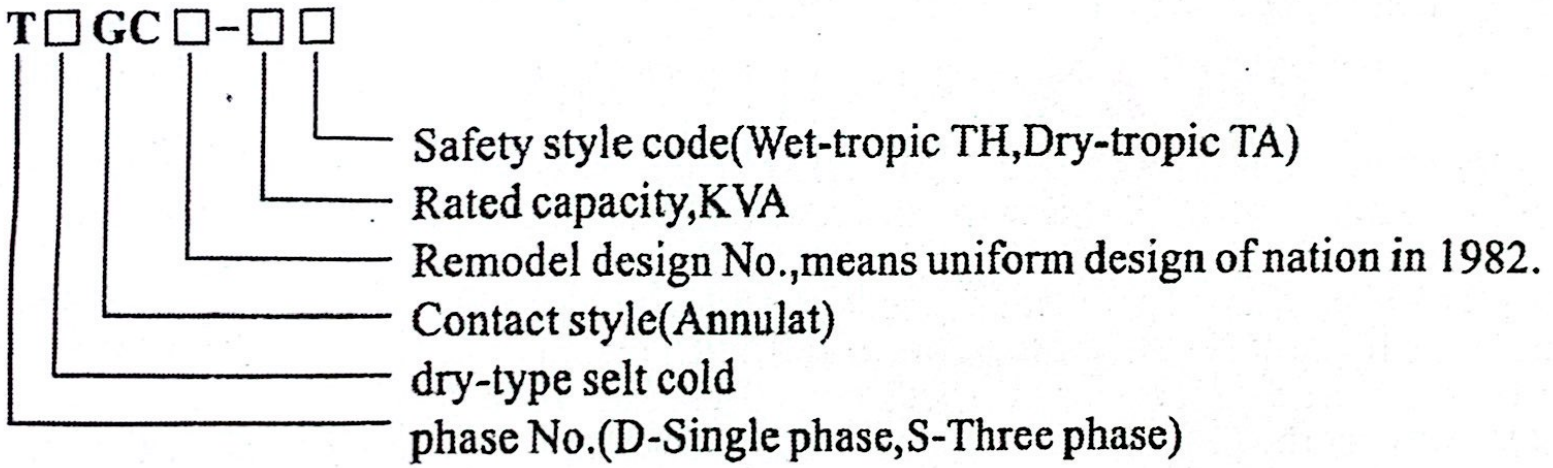
Using Specification

ARALA

Purpose

Contact voltage regulators have non-lack fidelity in waves,portable size,light weight,high efficiency,convenience to use,reliability and durability in moveent.It can be widely used in the industries(such as chemical industry machine,metallurgy instrument&appearance,machine manufacture,light-industrial),scientific experimenis,public facilitise and housebold appliances to realize the aims of voltage regulation,temperature ontrol, light regulation and power control etc.

Model



SERVICE CONDITIONS

1、Environmental average temperature+40℃~15℃
2、Altitude:the installation place for voltage regulator should not be more than 1000m.
3、Air relative humidity:the average humidity for the wettest month is 90%,the average temperature is 25℃.
4、Cuurent and voltage wave:power voltage wave closes to sine.
5、Without the gas,smoke,chemical aggradation,dust,defilement,other explosive and corrosive matters which can seriously effect the insulation of voltage regulator in the installation field.
6、Without badly vibration and wallow in the installation field.
7、Used indoore,parallel connection is not allowed.
8、The specialservice conditions,which doesn't conform to the above conditions,should be confirmed by the client and manufacturer.

USE AND MAINTENANCE

1、During the normal operation,the regulator should be checked regularly by charcoal brush and make sure that the brush and contact parts won't be more than the wide of two wired.
2、Check the insulation resistance regularly(the relative humidity is 95%tesde with 500 meter).the insulation resistance between coil and base shouldn't be less than 2mm.
3、For three-phase regulator,please check and adjust the brush regularly.
4、Please connect the ground line to regulator case.After operation,turn the handwheel pointer to "zero" place and cut off the power.

SPECIFICATION FOR REGULATOR

Type	Rale output capacity (1000VA)	Phase No.	Input voltage (V)	Output voltage (V)	Max.output current(V)
TDGC2-0.2	0.2	1	220	0~250	0.84
TDGC2-0.5	0.5	1	220	0~250	2
TDGC2-1	1	1	220	0~250	4
TDGC2-2	2	1	220	0~250	8
TDGC2-3	3	1	220	0~250	12
TDGC2-5	5	1	220	0~250	20
TDGC2-10	10	1	220	0~250	40
TDGC2-15	15	1	220	0~250	60
TSGC2-3	3	3	380	0~430	4
TSGC2-6	6	3	380	0~430	8
TSGC2-9	9	3	380	0~430	12
TSGC2-15	15	3	380	0~430	20
TSGC2-20	20	3	380	0~430	27
TSGC2-30	30	3	380	0~430	40

Principle and Structure

1、Basic principle:Regulator is self-coupling transformer that circle ratio can be adjustable continually.Main axes act with brush frame when regulator brush recur to handwhlle The circle ratio can be changed continuall when slide with gring surface of coil so thal output-voltage adjust from zero to max smoothly.

2、Main Structure:

Cell structure single-phase 0.2KVA 10KVA regulator is regulate voltage cell constr--uction.The coil that up surface has a certain wide smooth surface fixed in the glass steel base,contact group brush tallied tightly with the grind surface in the action of spring stress.Running handwheel drive brush in the grind surface of coil to reguate voltage,the normal type of cell regulator is stand,outside with safety ventation cover.

Cell regulator coil group connect as per diagram 1.

U1-Input Voltage(V)

U2-Output Voltage(V)

D-Brush

Three-phase assemble construction,Three phase regulator Assembled with three same specification unit axes to coil group connect star form,As diagram 2.