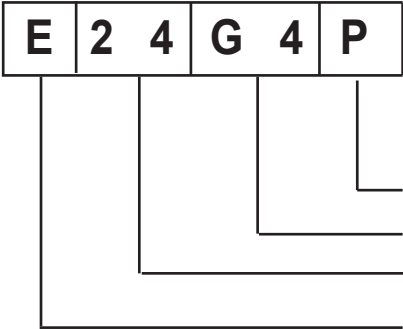
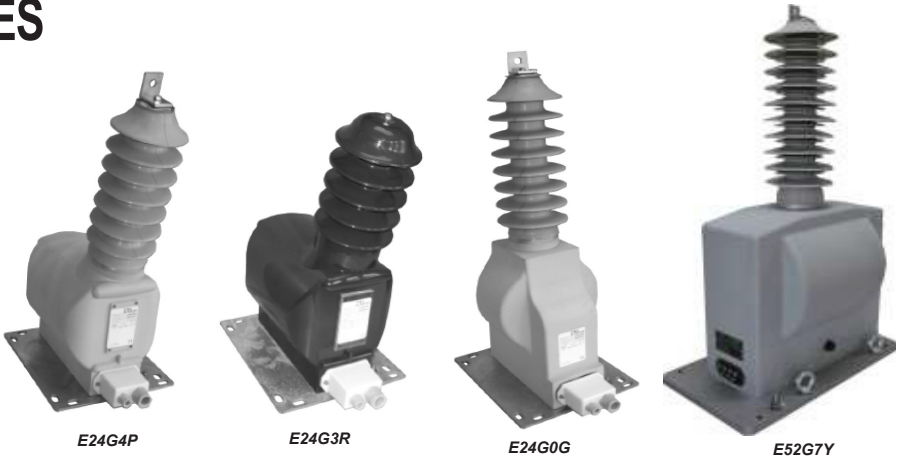


SINGLE PHASE 1-POLE OUTDOOR VOLTAGE TRANSFORMERS
E..G. R/P/G/M/V/Y SERIES

Denomination example :



- Primary terminal type.
- Mould type denomination.
- Highest Voltage for the equipment (Um)
- Type of primary connection.
- U phase-to-phase connection
 - E phase-to-earth connection



- Outdoor
- 7.2 - 12 - 17.5 - 24 - 36 - 52kV
- Primary voltage up to 52/√3 kV

1-pole voltage transformer vacuum moulded in self extinguishing epoxyresin for the measure of AC voltages between phase and earth up to 52 000/√3 V.

This series also allows for feeding auxiliaries up to 10 000 VA CLA.

The secondary terminals are protected by a weatherproof cover equipped with cable glands.

A metallic coating ensures a safe distribution of the magnetic field and zero-potential surface for a deadtank design.

The anti-explosion system exclusively deals with secondary fault (short-circuit, maintained overload...). Under no circumstances it can handle a primary fault (overvoltage, ferroresonance, lightning, switching...)

This system must be associated with a cut-off relay. Maintaining feeding of VT would result in its destruction.

Technical data

Rated insulation level	From 3.6/16/45 kV to 52/95/250 kV
Primary voltage Upn	Up to 52 000 /√3 V
Secondary voltage Usn	100/√3 - 110/√3 - 100/3 - 110/3 V
Frequency	50 or 60 Hz
Rated output	Up to 200 VA CL 0.5 - 400 VA CL 1 800 VA CL 3
Accuracy class	0.1 - 0.2 - 0.5 - 1 - 3 - 3P - 6P
Voltage factor	1.9 Upn 8h
Thermal limiting output	Up to 10 000 VA
Surface finish	Touch-proof (deadtank) or Polyurethane
Fixing plate	Standard
Wheatherproof cover for secondary terminal	Standard
Insulation class	E
Ambient temperature	- 5°C to + 40°C
Standards	IEC - IEEE - CSA - AS - BS - UNE

Other characteristics on request

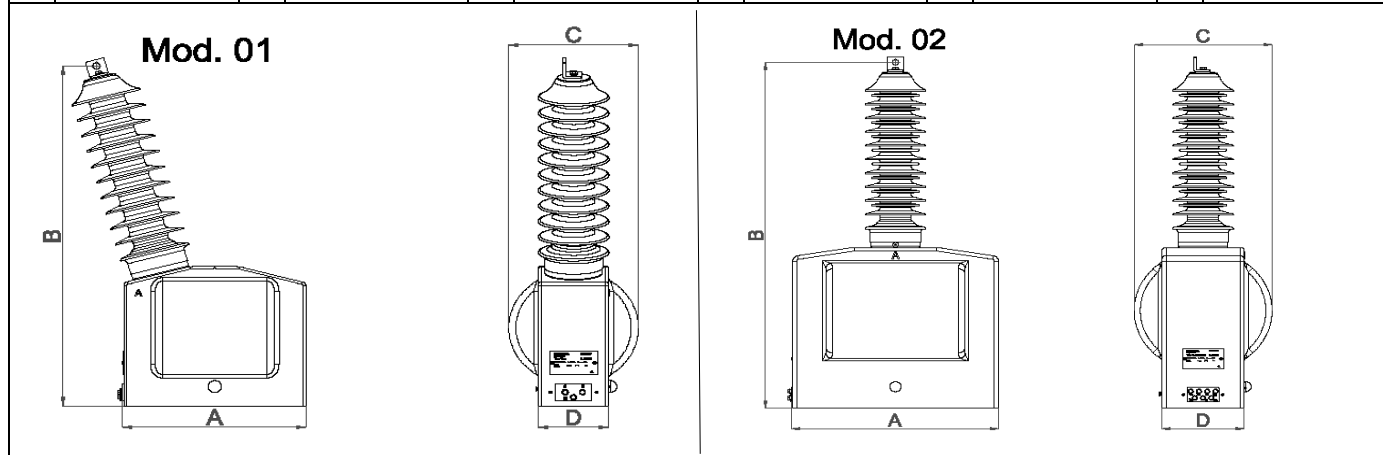
Secondary voltage Usn	10 to 600V
Voltage factor	1.2 Un 30s - 1.5 Un 30s
Secondary windings	Up to 3
Ambient temperature	- 25°C to + 70°C
Application	Measure and/or protection
Antiferroresonance	Low induction design

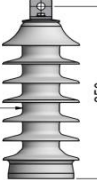
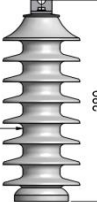
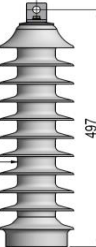
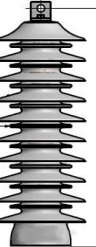
Accessories / Options

Surface finish	Silicone coating
Earth connector	Option
Anti-explosion system	Option

SINGLE PHASE 1-POLE OUTDOOR VOLTAGE TRANSFORMERS - E..G/R/P/G/M/V/Y SERIES

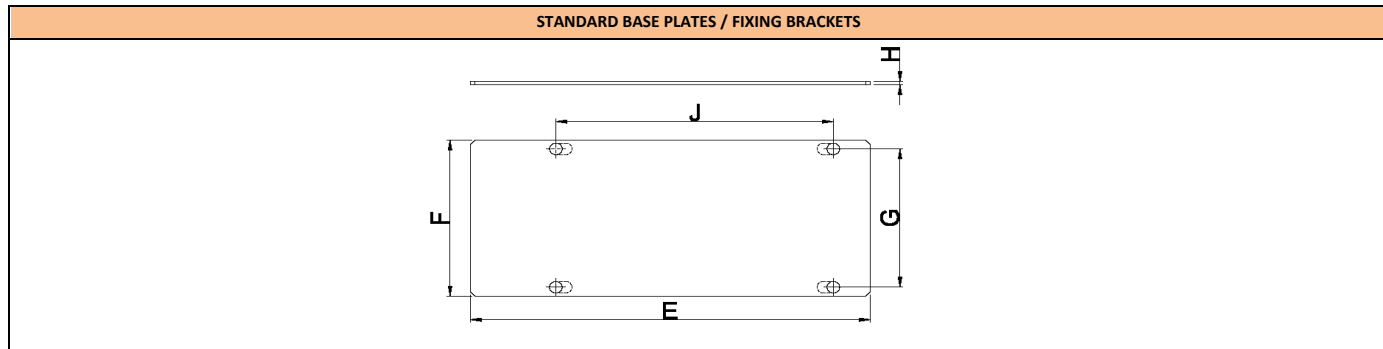
MODELS CAPACITY / VOLUME																													
E..G0G..				E..G2..				E..G3..				E..G5..				E..G7..				E..G8..									
Drawing: Mod.2				Drawing: Mod.2				Drawing: Mod.1				Drawing: Mod.1				Drawing: Mod.1 or Mod.02				Drawing: Mod.1 or Mod.02									
MAXIMUM SECONDARY N°																													
1, 2 or 3				1, 2 or 3				1, 2 or 3				1, 2 or 3				1, 2 or 3				1, 2 or 3									
MAXIMUM TOTAL BURDEN [VA].																													
Up kV.	cl0.2	cl0.5	cl1	cl3	Up kV.	cl0.2	cl0.5	cl1	cl3	Up kV.	cl0.2	cl0.5	cl1	cl3	Up kV.	cl0.2	cl0.5	cl1	cl3	Up kV.	cl0.2	cl0.5	cl1	cl3					
≤24	35	75	150	450	≤24	40	80	160	500	≤24	25	50	100	300	≤24	80	170	350	1100	≤24	400	900	1800	5500	≤24	500	1100	2200	6500
	Pth.[VA.]: 750					Pth.[VA.]: 800					Pth.[VA.]: 500					Pth.[VA.]: 1800					Pth.[VA.]: 8000					Pth.[VA.]: 10000			
36	25	60	120	300	36	15	35	70	200	36	-	-	-	-	36	55	130	260	750	36	350	850	1600	5000	36	500	1100	2200	6500
	Pth.[VA.]: 450					Pth.[VA.]: 300					Pth.[VA.]: -					Pth.[VA.]: 1100					Pth.[VA.]: 7500					Pth.[VA.]: 10000			
52	-	-	-	-	52	-	-	-	-	52	-	-	-	-	52	15	35	70	200	52	200	450	900	2500	52	300	600	1200	3500
	Pth.[VA.]: -					Pth.[VA.]: -					Pth.[VA.]: -					Pth.[VA.]: 300					Pth.[VA.]: 4000					Pth.[VA.]: 5000			
mm.	A	B	C	D	mm.	A	B	C	D	mm.	A	B	C	D	mm.	A	B	C	D	mm.	A	B	C	D	mm.	A	B	C	D
	288	392	232	124		340	308	186	120		332	317	225	120		382	350	270	146		500	458	335	200		560	561	410	270
M:	30 kg.				M:	40 kg.				M:	45 kg.				M:	65 kg.				M:	135 kg.				M:	320 kg.			



PRIMARY TERMINAL					
R	P	G	M	V	Y
 LINEA DE FUGA/ CHEMINEMENT/ CREEPAGE DISTANCE : 530mm (1)	 LINEA DE FUGA/ CHEMINEMENT/ CREEPAGE DISTANCE : 767mm	 LINEA DE FUGA/ CHEMINEMENT/ CREEPAGE DISTANCE : 820mm	 LINEA DE FUGA/ CHEMINEMENT/ CREEPAGE DISTANCE : 1196mm	 LINEA DE FUGA/ CHEMINEMENT/ CREEPAGE DISTANCE : 1405mm	 LINEA DE FUGA/ CHEMINEMENT/ CREEPAGE DISTANCE : 2148mm

SECONDARY TERMINALS			
PLASTIC BOX	METALLIC BOX		CABLE
Taps: M6 Screws	Taps: M6 Screws	Taps: M6 Screws	2 / 3 / 4 / ... copper wire cable. Different cross section depending on maximal burden. With or without Ground wire. V0 capable.
Protection: White Sealable box (Optional) IP65	Protection: Stainless Steel (Optional) IP53	Protection: Stainless Steel (Optional) IP54	
PG11+PG21 tap	2x PG21 + 2x breathers + ground	2x PG16 + 1x breathers	

SURFACE FINISH / COATING		
Metallic coating / Touchproof	Polyurethane Coating	Silicone Coating



E..G0G..					E..G2..					E..G3..					E..G5..					E..G7..					E..G8..				
mm.	E	F	G	J	mm.	E	F	G	J	mm.	E	F	G	J	mm.	E	F	G	J	mm.	E	F	G	J	mm.	E	F	G	J
	340	290	240	270		433	186	165	300		310	180	150	290		340	290	240	270		600	340	300	500		700	420	370	670
H.: 5					H.: 5					H.: 16					H.: 5					H.: 20					H.: 20				
Fixing Holes: 15 x 10					Fixing Holes: Ø 11					Fixing Holes: Ø 11					Fixing Holes: * 15 x 10					Fixing Holes: Ø 12.5					Fixing Holes: Ø 12.5				