

# Single (grounded) pole Phase ground

## Voltage transformers

VRQ2n/S1 - VRQ2n/S2 - VRQ2n/S3 <sup>(1)</sup>

VRQ2/S1 - VRQ2/S2 - VRQ2/S3 <sup>(2)</sup>

<sup>(1)</sup> High induction

<sup>(2)</sup> Low induction

- Max reference voltage for insulation: 7.2 - 12 - 17.5 - 24 kV
- $U_{sn}$  secondary rated voltage: see selection table
- $U_{pn}$  primary rated voltage: refer to page 37
- winding in class 0.2-0.5-1 are also guaranteed in class 3P with the same output as indicated in the table
- rated thermal output:  
VRQ2n = 250 VA  
VRQ2 = 200 VA
- voltage factor: 1.9 x 8 hours

### Selection table

n° of secondaries per VT		1		2		2		3	
standard types		VRQ2n/S1 VRQ2/S1		VRQ2n/S2 VRQ2/S2		VRQ2n/S2 VRQ2/S2		VRQ2n/S3 VRQ2/S3	
application		measuring or protection		1 for measuring 1 for protection or measuring		1 for measuring or protection 1 for residual voltage		2 for meas. or protec. 1 for res. voltage	
standard secondary voltage (V)		100:√3 or 110:√3		100:√3 - 100:√3 or 110:√3 - 110:√3		100:√3 or 100:3 or 110:√3 - 110:3		100:√3 or 110:√3 100:3 or 110:3	
operation				simultaneous (1)		separate (2)		simult. and separate (3)	
3 <sup>rd</sup> sec.	accuracy class							3P	
	output							50 50 75 100	
2 <sup>nd</sup> sec.	accuracy class			0,5 o 1   0,5 o 1		3P   3P		0,5 o 1	
	output			10 15 20 15 30 50		50 50 75 50 50 75		10 20 30 50	
1 <sup>st</sup> sec.	accuracy class	0,2   0,5		0,2   0,5		0,2   0,5		0,5	
	output	15 20 30 30 50 75		10 15 20 15 30 50		15 20 30 30 50 75		10 20 30 50	
VRQ2n		■		■		■		■	
VRQ2		■		■		■		■	

(1) Output with simultaneous operation means that accuracy class of the 1<sup>st</sup> secondary is guaranteed with the 2<sup>nd</sup> secondary under load and vice versa

(2) Output with separate operation means that precision class of the 2<sup>nd</sup> secondary is guaranteed with 1<sup>st</sup> secondary under load. In this case, class 3P remains guaranteed with a simultaneous operation.

(3) In case of three secondaries it is simultaneous operation between 1<sup>st</sup> and 2<sup>nd</sup> secondary and separate operation for 3<sup>rd</sup> secondary.

### Table reading:

- 1) ■ VT is feasible if the coordinates corresponding to the selected line and required output indicate a point within the blue area.



### Dimensions (mm)

type VRQ2n/S1-S2-S3

VRQ2/S1-S2-S3

Weight kg 19

