

# CVS-P-24-O GSTP021 Outdoor Current & Voltage Sensor

CVS-P-24-O GSTP021 is the 2nd generation of passive 24kV combined current and voltage sensors for outdoor use, suitable for installation in pole-mounted and substation applications. It can be applied for both measurement and protection applications, and there are options available for high accuracy voltage sensing.

## GENERAL TECHNICAL PARAMETERS

Nominal frequency	50 / 60 Hz
Rated insulation level	24 kV / 70 kV (wet) / 150 kV (dry)
Primary terminal capacity	13 pF
Weight	5 kg
Creepage distance [mm]	842 (very heavy pollution severity)
Protection level	IP 55
Applicable Standards	IEC 61869-10 & -11; ENEL GSTP021

## CURRENT SENSOR PARAMETERS

Rated primary current, $I_{pr}$	500 A
Output type	Derivative
Rated secondary voltage @ 50 Hz (@ 60 Hz)	0.150 V (0.180 V)
Rated extended primary current factor, $K_{pcr}$	30
Rated short time withstand thermal current, $I_{th}$	20 kA / 3s
Dynamic nominal current, $I_{dyn}$	52 kA
Rated Continuous thermal Current, $I_{cth}$	800 A
Rated burden, $R_B$ *	$\geq 20 \text{ k}\Omega // \leq 500 \text{ pF}$
Accuracy class	For protection   1P30 For measurement   0.5S

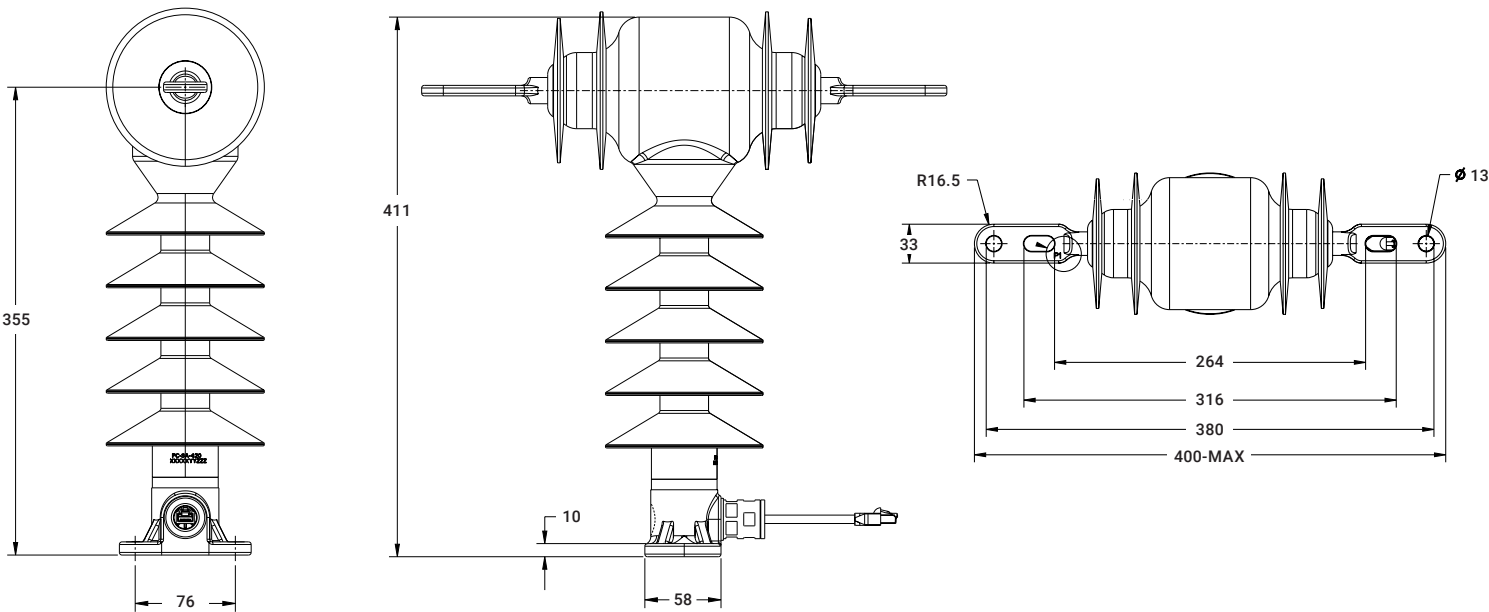
## VOLTAGE SENSOR PARAMETERS

Rated primary voltage, $U_{pn}$ *	20/ $\sqrt{3}$ kV
Rated secondary voltage, $U_{sn}$ *	1.1547 V
Rated voltage factor, $K_u$	1.9 for 8h
Nominal transformation ratio, $K_n$ *	10000 / 1
Rated burden, $R_B$ *	2 M $\Omega$ // $\leq 50 \text{ pF}$
Accuracy class	For protection   1P For measurement   0.5

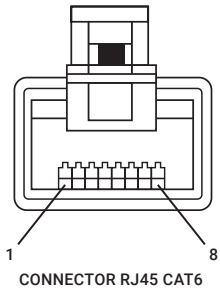


\*Symbol \* marks customizable parameters, available with different values upon request.

# CVS-P-24-O GSTP021 Outdoor Current & Voltage Sensor



	RJ45 PINOUT							
	1	2	3	4	5	6	7	8
Passive LPCT	S1	S2	-	-	-	-	-	-
Passive LPVT	-	-	-	-	-	-	a	n



All linear dimensions are in millimeters.

## For more information

please, visit our website: [www.gwelectric.com/products/high-accuracy-sensors/](http://www.gwelectric.com/products/high-accuracy-sensors/)



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