

CVS-P-24-SB01 Smart Bushing Current and Voltage Sensor

CVS-P-24-SB01 is a passive 24kV combined current and voltage sensor for indoor use suitable for installation as smart bushing in switchgear applications. It can be applied for both measurement and protection applications. Smart Bushing embeds a capacitive coupler for Voltage Presence indicators per IEC 61243-5.

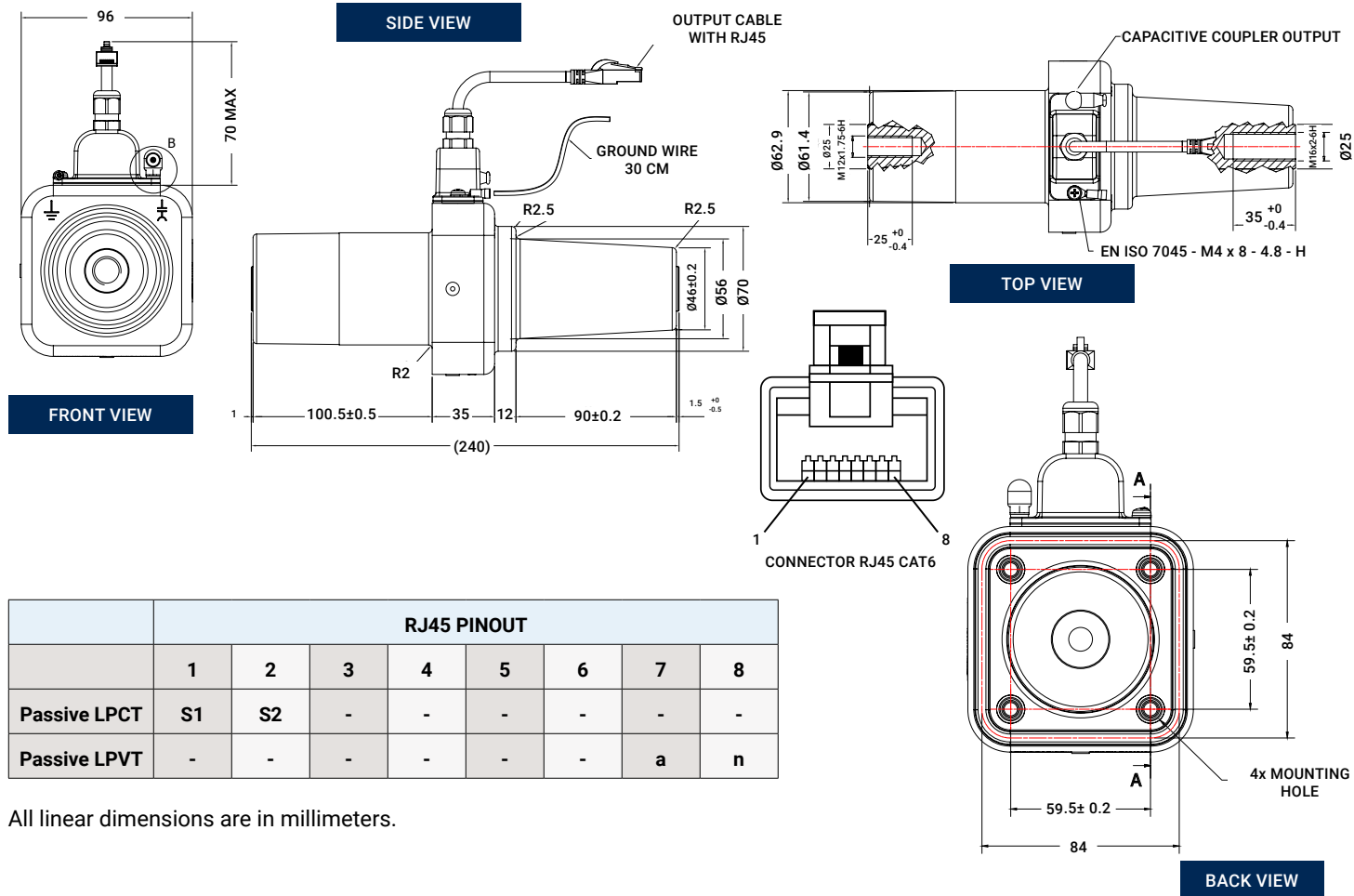
TECHNICAL PARAMETERS

Bushing Type	Outside cone plug-in type bushing
Interface Type (EN 50181)	C
Maximum voltage, Um	24 kV
Rated Current, Ir	630 A
Rated power frequency withstand	50 kV
Rated lightning impulse withstand	125 kV
Rated short time withstand thermal current, Ith	20 kA / 3s
Dynamic nominal current, Idyn	50 kA
LPVT Transformation Ratio	10000 V: 1 V or 20/√3 kV : 3.25/√3 V*
LPCT Transformation Ratio	DERIVATIVE TYPE 500 A : 150 mV at 50 Hz
Voltage Presence Signal	11,5 pC ± 0,5 pF
LPVT Accuracy Class	0.5 / 1P (with calibration coefficients of ratio and phase)
LPCT Accuracy Class	0.5S / 5P (with calibration coefficients of ratio and phase)
Weight	2,3 kg
Temperature Range	-15°/+50°C indoor (plus heating due to rated current)
Applicable Standards	EN 50181:2010 IEC 61869/10 IEC 61869/11 IEC 61243-5 GSCM004 (rev. 0 10/2019) GSCT005 (rev. 2 del 12/2019)



*Customizable parameters available with different values upon request.

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For more information

please, visit our website: www.gwelectric.com/products/high-accuracy-sensors/



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