DWG NO. : 06220067
VER : 1.0_20/07/03

Position Transducer (synchro conversion)

SPS

◎ Standard output with 0 to 1 mAdc; Option on request
◎ AC 1800V input / output / isolation meets power series requirement
◎ Meets IEEE SWC test
◎ Dynamic zero starting angle no resetting of mechanic shafter required

Specification

1.Accuracy 1% RO / 23 ± 3°C

2.Input of stator

Effective range	60 / 120 / 240V ± 40% order on request
Angle of conversion	Standard 330° ± 30°
Burden	< 1VA of maximum range
Frequency	55 - 65Hz
Protection	Full protection for SURGE, EMI & RFI

3. Input of rotor

Effective range	90 - 140 / 180 - 280V order on request
Burden	< 3.5VA

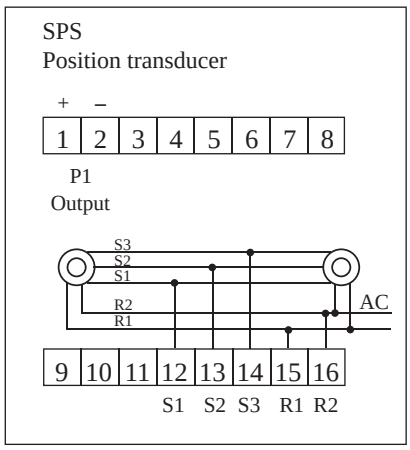
4.Output (isolated with input)

Range	Standard : DC 0 - 1mA vs required rotating angle
	Option : DC 0 - 5 / 0 - 10 / 0 - 20 / 4 - 20mA
	DC 0 - 1 / 0 - 5 / 1 - 5 / 0 - 10 / 2 - 10V
Drive ability	Maximum 10Kohm for 0 to 1mA output
	> 10V for current output mode
	> 10mA for voltage output mode
Output impedance	> 30 Mega ohm
Response time	< 600 ms from 0 to 99% RO at operating
Ripple	< 0.5% P-P RO
Long term stability	< 1% RO per year
Temperature stability	< 0.1% per degree C, from 0 to 55°C
Adjustment	Span ± 5% / 10% on request, zero shifter / 0 - 360°, fine / ±15°
Protection	No damage ... open or short ; full protection of SURGE, EMI, RFI
Magnetic effection	< 0.04% at center 400 A-T / M

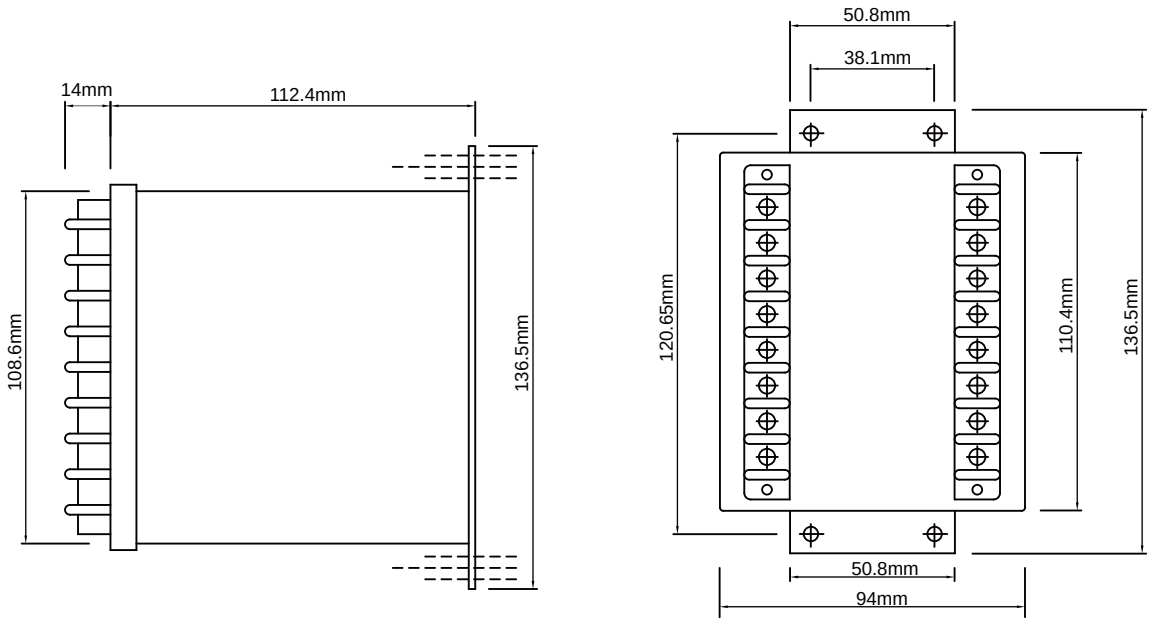
5.Operation condition

Environment	
Temperature	-5 to 60°C
Humidity	20 to 99% RH non condensed
Elevation	Under 3000 meters
Magnetic field	500 A - T / M
Waveform	Sinusoidal waveform only
Dielectric strength	4KV AC rms 1 minute between input / output / power / case IEC 688
Impulse test	ANSI C37.90 / 1989, IEEE 587 / 1983,
	IEC 255-3, 6KV (1.2 x 50 us), 3KA (8 x 20 us) ....current only
Surge test (ring wave)	IEEE 587/1983 (3KV - 0.5 us / 100KHz)
	IEC 255-3 (2.5KV - 0.25ms / 1MHz)

Terminal Connection



Dimension



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