Universal Technic

AC/DC Open Loop Split Core Transducer SCT Series

The new SCT Series of split core current transducers use Open Loop Hall Effect technology for accurate measurement of both AC and DC currents. The unique snap closed design allows easy connection around conductors making it ideal for retrofitting.

SPECIFICATION		
MODEL	***UC 500A/4-20mA***	***UC 1000A/4-20mA***
Measuring Range (I_P)	*500A DC or AC_{RMS}*	*1000A DC or AC_{RMS}*
Output (I_{out})	*4 to 20mA DC*	
Output (@ I = 0A)	*4mA*	
Accuracy (without offset)	*$\pm$ 1% of I_p*	
Conductor Position Sensitivity	*± 1% relative to centre reading*	
Crest Factor	*3*	*1.5*
Response Time	*150ms*	
Load Resistance	*< 300Ω*	
Frequency Range	*DC to 10kHz (-3dB)*	
Temperature Coefficient	*± 0.1% of reading per °C*	
Zero Drift with Temperature	±500mA per °C Primary	
Power Supply	*+9 to +36V DC*	
Current Consumption	*35mA + I_{out}*	
Working Voltage	*300V*	
Maximum Conductor Size	*25mm*	
Output Connection	*via 5 pin connector, Phoenix Contact MC 1,5/5-G-3,81*	
Output Zero	*Intended for external zero correction*	
Operating Temperature Range	*-20 to +65°C*	
Storage Temperature Range	*20 to +85°C*	
Ingress Protection (Jaw closed)	*IP 40*	
Protection against mechanical impact (IEC 62262)	*IK06*	

All Accuracies Stated at: 23°C ± 1°C

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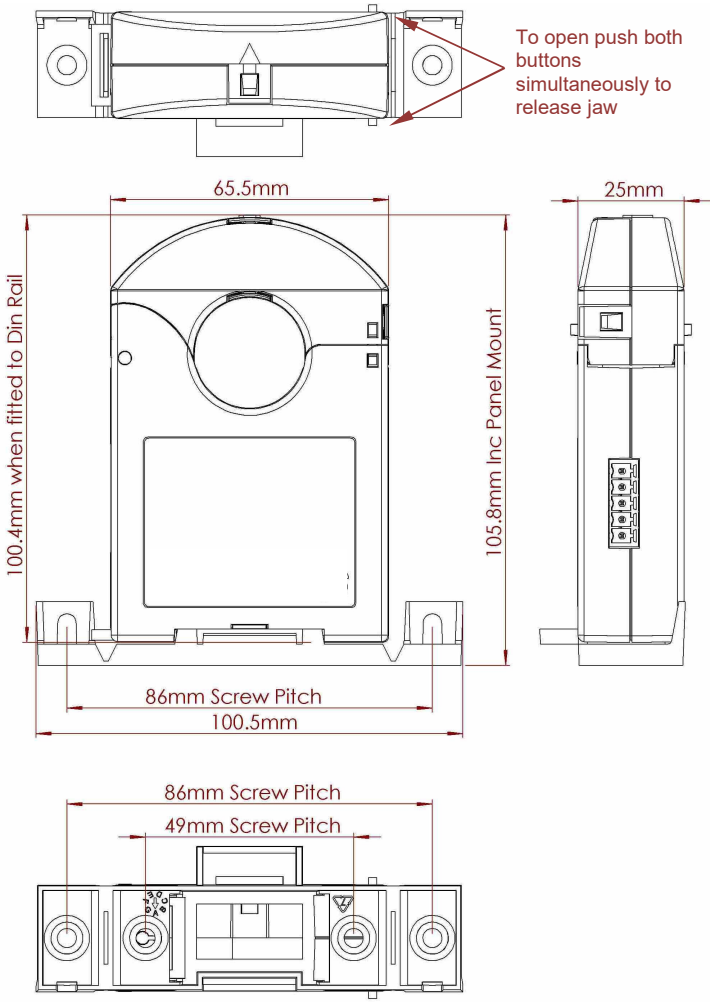
Safety Standards

EN 61010-1
EN 61010-2-032

300V RMS Measurement Category III
Pollution Degree 2

EMC Standard

EN 61326-1, For use in industrial locations



PIN No	Function
1	PSU +V
2	PSU 0V
3	NC
4	O/P (+I)
5	O/P (-I) Can be commoned to PSU 0V

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