



SENTRON ATC5300; LNEED; 144X144; TRANSFER CONTROL DEVICE FOR CONTROLLING MCCB, ACB, LBS FOR LOAD TRANSFER BETWEEN MAIN AND ANCILLARY NETWORK; PANEL MOUNTING DEVICE
VN: 220 TO 240 VAC 50/60HZ VN: 12 TO 48 VDC;
SETTING RANGE: VI: 100 - 690V 50/60HZ SCREW TERMINAL

Model		
product brand name		SENTRON
Design of the product		ATC5300, English version
General technical data		
Size of the circuit-breaker		3KC9
Operating temperature / minimum	°C	-20
Overvoltage category		3
Voltage		
Insulation voltage / Rated value	V	690
Overvoltage category / acc. to IEC 61010		CAT III
Protection class		
Protection class IP		
• on the front		IP41
• Rear side		IP20
Main circuit		
Operating frequency / Rated value		
• minimum	Hz	45
• maximum	Hz	65
Product details		
Product component / of the hardware real-time clock / Backup battery		Yes
Product property / of enclosure material		Thermoplastic LEXAN 3412R
Accessories		

accessories		Transfer control devices
Communication		
Design of the interface		Programmable baud rate, 1200 to 38400 bit/s, connection via RJ6/6 connector
Inputs Outputs		
Number of digital inputs		8
Relay design		2 relays: 1 NO, 12A, 250 V AC (AC1), 3 relays: 1 NO, 8 A, 250 V AC (AC1), 2 relays: 1 CO, 8A, 250 V
Design of the switching input		Negative
Input delay time	s	0.05
Signal voltage		
• for signal <0> / for DC / Rated value	V	1.5
• for signal <0> / for DC / typical	V	2.9
• for signal <1> / for DC / Rated value	V	5.3
• for signal <1> / for DC / typical	V	4.3
Measuring inputs		
Measuring procedure		RMS value (true RMS)
Input impedance		
• between L and L	MΩ	1.1
• between N and L	MΩ	0.5
Measured variable voltage		
• between L and L / Rated value	V	690
• between N and L / Rated value	V	400
Relative measurement deviation	%	0.25
Number		
Number of monitored phases		3
Connections		
Connectable conductor cross-section		
• minimum	mm ²	0.2
• maximum	mm ²	2.5
AWG number / as coded connectable conductor cross section		
• minimum		24
• maximum		12
Tightening torque [lbf·in] / with screw-type terminals / maximum	lbf·in	4.5
Tightening torque / with screw-type terminals		
• maximum	N·m	0.5
Type of electrical connection		Removable/pluggable
Mechanical Design		
Height	mm	144

Width	mm	144
Depth	mm	86.7

Environmental conditions

Relative humidity / Reference value	%	90
Ambient temperature		
• during storage / minimum	°C	-30
• during storage / maximum	°C	80

Certificates

Equipment marking		
• acc. to DIN EN 61346-2		A
• acc. to DIN EN 81346-2		A

General Product Approval	Declaration of Conformity	Test Certificates	other
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[Type Test
Certificates/Test
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[other](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3KC90008TL30>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3KC90008TL30/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

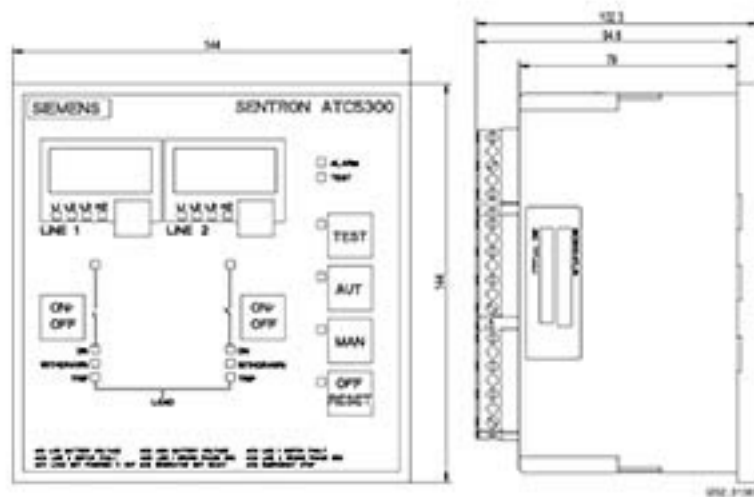
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC90008TL30

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



last modified:

11.03.2015