

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 brandname	SENTRON
Design of the product	ATC5300, English version
General technical data	
Size of the circuit-breaker	3KC9
Operating temperature	
• minimum	-20 °C
• maximum	60 °C
Switchover time / of the control device	1 s
Overvoltage category	3
Voltage	
Insulation voltage / rated value	690 V
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	45 Hz
• maximum	65 Hz
Product details	
Product component / of the hardware real-time clock / Backup battery	Yes
Product feature / 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	0.05 s
Signal voltage	
• for signal <0> / at DC / Rated value	1.5 V
• for signal <0> / at DC / typical	2.9 V
• for signal <1> / at DC / Rated value	5.3 V
• for signal <1> / at DC / typical	4.3 V
Measuring inputs	
Measuring procedure	RMS value (true RMS)
Input impedance	
• between L and L	1.1 MΩ
• between N and L	0.5 MΩ
Measured variable voltage	
• between L and L / Rated value	690 V
• between N and L / Rated value	400 V
Relative measurement deviation	0.25 %
Number	
Number of monitored phases	3
Connections	
Connectable conductor cross-section	
• minimum	0.2 mm ²
• maximum	2.5 mm ²

AWG number / as coded connectable conductor cross section	
• minimum	24
• maximum	12
Tightening torque [lbf-in] / with screw-type terminals / maximum	4.5 lbf-in
Tightening torque / with screw-type terminals	
• maximum	0.5 N·m
Type of electrical connection	Removable/pluggable

Mechanical Design

Height	144 mm
Width	144 mm
Depth	86.7 mm
Net weight	950 g

Environmental conditions

Degree of pollution	3
Relative humidity / Reference value	90 %
Ambient temperature	
• during storage / minimum	-30 °C
• during storage / maximum	80 °C

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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[Typprüfbescheinigung/Werkszeugnis](#)

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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/3KC9000-8TL30>

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

<http://support.automation.siemens.com/WW/view/en/3KC9000-8TL30/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC9000-8TL30

CAX-Online-Generator

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

Tender specifications

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

