



SENTRON 3KC ATC6300; LCD: 144x144 mm; Transfer control device for control of MCCB, ACB, LBS; for load transfer between main and standby power supply  
Control panel instrument; Un 100...240 V AC 50/60 Hz, 110...250 V DC; Un 12...24 V DC Rated voltage Ue: 100...480 V AC 50/60 Hz; screw terminal connection  
Expandable by maximum 2 additional modules

Model	
product brand name	SENTRON
product designation	Accessories for transfer switching equipment
design of the product	3KC ATC6300
operating temperature	
• minimum	-30 °C
• maximum	70 °C
switchover time of the control device	50 ms
overvoltage category	3
power frequency withstand voltage at auxiliary power supply at AC	3 000 V
operating period without auxiliary power supply	300 s
insulation voltage (Ui) at auxiliary power supply at AC rated value	250 V
impulse withstand voltage (Uimp) of the auxiliary power supply at AC rated value	6 000 V
<b>interference immunity duration against voltage dip/sag at AC at 220 V</b>	
• without expansion modules maximum	250 ms
• with 1 expansion module maximum	180 ms
• with 2 expansion modules maximum	120 ms
supply voltage of the auxiliary power supply	
• at AC initial rated value	100 V
• at AC final rated value	240 V
• at AC minimum	90 V
• at AC maximum	264 V
• at DC initial rated value	110 V
• at DC final rated value	250 V
• at DC minimum	93.5 V
• at DC maximum	300 V
supply voltage at DC power supply	
• initial rated value	12 V
• final rated value	24 V
• minimum	7.5 V
• maximum	33 V
protection class IP	
• on the front	IP40
• rear side	IP20
apparent power consumption at auxiliary power supply at AC at 240 V maximum	9.5 VA
power loss [W] at auxiliary power supply	
• at AC at 240 V	3.8 W

<ul style="list-style-type: none"> <li>at DC at 250 V maximum</li> </ul>	3.6 W
power loss [W] at DC power supply	
<ul style="list-style-type: none"> <li>at 12 V maximum</li> </ul>	3.2 W
<ul style="list-style-type: none"> <li>at 24 V maximum</li> </ul>	2.9 W
operating frequency rated value	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	45 Hz
<ul style="list-style-type: none"> <li>maximum</li> </ul>	66 Hz
number of CO contacts for auxiliary contacts	1
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	6
product component of the hardware real time clock backup battery	Yes
product feature of enclosure material	Polycarbonate

### accessories

number of slots	2
input current at digital input with signal <0> maximum	8 mA
number of digital inputs	6
<ul style="list-style-type: none"> <li>design of the switching input</li> </ul>	Negative
output voltage at the relay outputs at AC maximum rated value	250 V
number of outputs as contact-affected switching element	7
output current at the relay outputs	
<ul style="list-style-type: none"> <li>at AC-1 at 250 V rated value</li> </ul>	8 A
<ul style="list-style-type: none"> <li>at AC-15 at 250 V rated value</li> </ul>	1.5 A
<ul style="list-style-type: none"> <li>at DC-1 at 30 V rated value</li> </ul>	8 A
type of contact rating according to NEMA	B300
switching capacity current at the relay outputs at DC at 30 V according to UL 508	1 A
mechanical service life (operating cycles) of the relay outputs	10 000 000
electrical endurance (operating cycles) of the relay outputs	100 000
input delay time	0.05 s
insulation voltage (Ui) of the relay outputs rated value	250 V
signal voltage	
<ul style="list-style-type: none"> <li>for signal &lt;0&gt; at DC rated value</li> </ul>	2 V
<ul style="list-style-type: none"> <li>for signal &lt;1&gt; at DC rated value</li> </ul>	3.4 V
impulse withstand voltage (Uimp) of the relay outputs rated value	4 000 V
number of monitored phases	3
connectable conductor cross-section according to UL 508	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	0.75 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>maximum</li> </ul>	2.5 mm <sup>2</sup>
AWG number as coded connectable conductor cross section	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	24
<ul style="list-style-type: none"> <li>maximum</li> </ul>	12
AWG number as coded connectable conductor cross section according to UL 508	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	18
<ul style="list-style-type: none"> <li>maximum</li> </ul>	12
tightening torque [lbf-in] with screw-type terminals maximum	5 lbf-in
tightening torque with screw-type terminals maximum	0.56 N·m
type of electrical connection	Removable/plug-in

### Mechanical Design

height	144 mm
width	144 mm
depth	43.3 mm
installation depth with expansion module maximum	73 mm
net weight	600 g

### Environmental conditions

ambient temperature during storage	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	-30 °C
<ul style="list-style-type: none"> <li>maximum</li> </ul>	80 °C

### Certificates

reference code	
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- according to EN 61346-2
- according to IEC 81346-2

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Approvals Certificates

General Product Approval



[Confirmation](#)



[Miscellaneous](#)



EMV

other

Environment



[Confirmation](#)

[Miscellaneous](#)

[Environmental Con-  
firmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mifb=3KC9000-8TL40>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KC9000-8TL40>

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

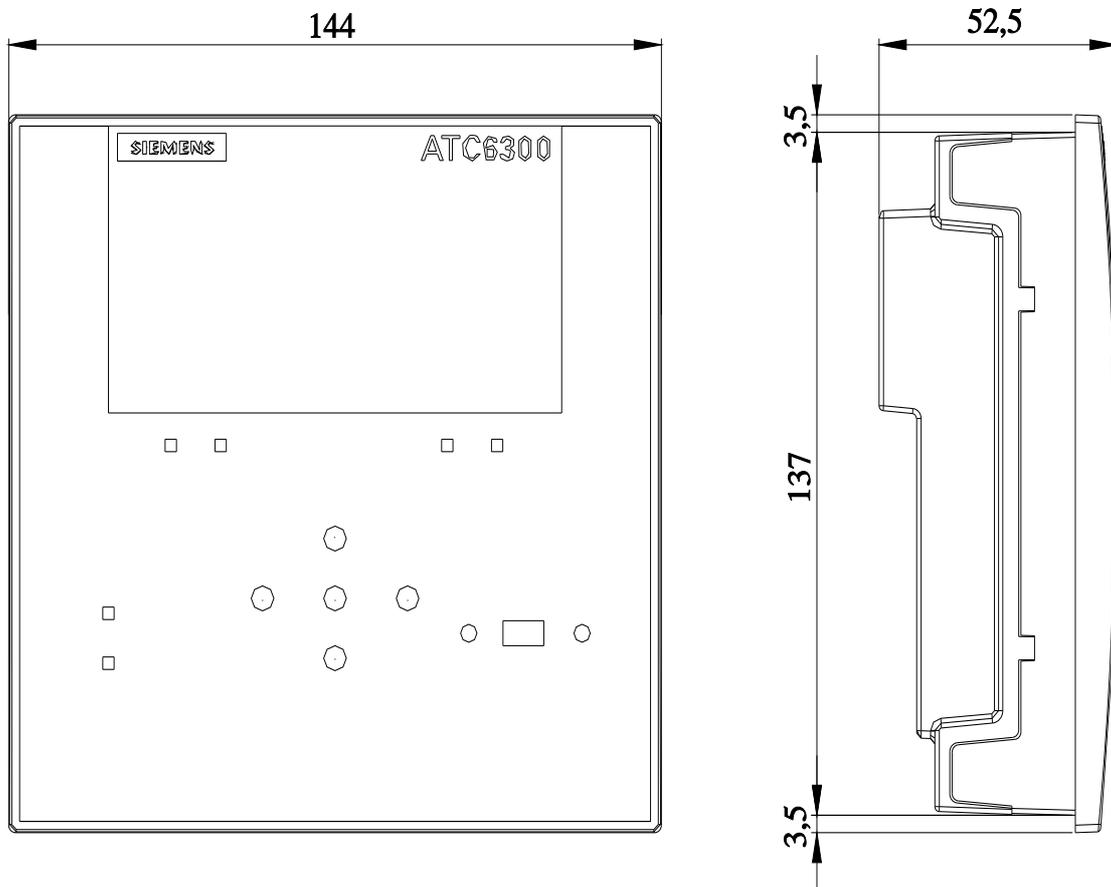
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mifb=3KC9000-8TL40](http://www.automation.siemens.com/bilddb/cax_en.aspx?mifb=3KC9000-8TL40)

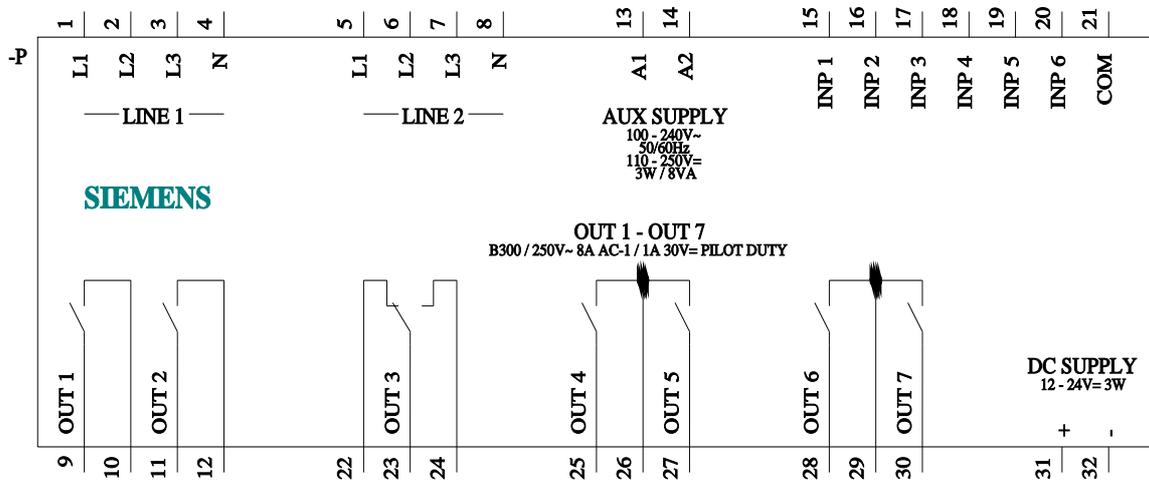
CAX-Online-Generator

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

Tender specifications

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





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