SIEMENS

Data sheet 3KC9000-8TL40

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 nominal voltage Ue: 100...480 V AC 50/60 Hz; screw terminal connection expandable with up to 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
interference immunity duration against voltage dip/sag at AC at 220 V	
● 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

● at DC at 250 V maximum	3.6 W
power loss [W] at DC power supply	
● at 12 V maximum	3.2 W
● at 24 V maximum	2.9 W
operating frequency rated value	
● minimum	45 Hz
● maximum	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
number of slots	2
input current at digital input with signal <0> maximum	8 mA
number of digital inputs	6
● design of the switching input	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	
● at AC-1 at 250 V rated value	8 A
● at AC-15 at 250 V rated value	1.5 A
● at DC-1 at 30 V rated value	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	
● for signal <0> at DC rated value	2 V
● for signal <1> at DC rated value	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	
● minimum	0.2 mm²
● maximum	2.5 mm²
connectable conductor cross-section according to UL 508	
● minimum	0.75 mm²
● maximum	2.5 mm²
AWG number as coded connectable conductor cross section	
● minimum	24
● maximum	12
AWG number as coded connectable conductor cross section according to UL 508	
● minimum	18
● maximum	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	647 g
Environmental conditions	
ambient temperature during storage	

• minimum	-30 °C
• maximum	80 °C

Certificates

reference code according to IEC 81346-2	K

Approvals Certificates

General Product Approval

EMV

Miscellaneous

other

Environment

Confirmation

Environmental Confirmations

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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?mlfb=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?mlfb=3KC9000-8TL40
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications