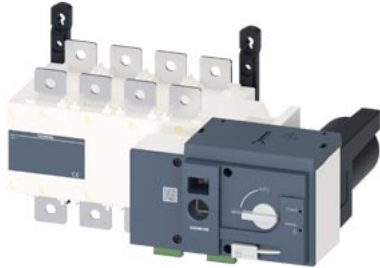


SENTRON, transfer switching equipment 3KC, remotely operated, RTSE, 4-pole, Iu: 400 A, Ue AC: 415 V, Ie at AC-33 B at 415 V: 200 A, Ie at AC-23 A at 690 V: 125 A, screw mounting, motorized operating mechanism, at the right end, long handle, busbar connection



Model	
product brand name	SENTRON
product designation	3KC transfer switching equipment
design of the product	remote-controlled
display version for switch position indicator manual operation	I - O - II
design of the actuating element	Long rotary knob
design of handle	Handle
type of the driving mechanism	motorized operating mechanism
type of the driving mechanism motor drive	Yes
General technical data	
number of poles	4
type of device	fixed mounting
mechanical service life (switching cycles) for function sequence O-I-O typical	4 000
I2t value	
• with closed switch at 690 V for combination switch + gG fuse maximum	1 884 000 A ² ·s
• of the fuse at 415 V maximum permissible	600 000 A ² ·s
• of the gG fuse at 690 V maximum permissible	2 100 000 A ² ·s
position of the switch operating mechanism	at the right end
overvoltage category	IV
degree of pollution	3
insulation voltage	
• rated value	1 000 V
• with degree of pollution 3 at DC rated value	1 000 V
Supply voltage	
supply voltage at AC	
• minimum	166 V
• maximum	332 V
Protection class	
protection class IP	IP00
protection class IP	
• with closed switch with cover or cable lug cover	IP20
• on the front	IP00
Dissipation	
power loss [W]	
• with conventional rated thermal current per device	60.4 W
operational current	
• at 35 °C rated value	400 A
• at 40 °C rated value	400 A

• at 50 °C rated value	360 A
• at 60 °C rated value	320 A
• at 70 °C rated value	280 A
• at AC rated value	400 A
• at AC-23 B at 690 V rated value	125 A
• at AC-22 B at 690 V rated value	160 A
• at AC-22 B at 500 V rated value	400 A
• at AC-21 B at 500 V rated value	400 A
• at AC-21 B at 690 V rated value	200 A
• at AC-23 A at 690 V rated value	125 A
• at AC-23 A at 500 V rated value	200 A
• at AC-22 A at 690 V rated value	160 A
• at AC-22 A at 500 V rated value	200 A
• at AC-21 at 500 V rated value	400 A
• at AC-21 at 690 V rated value	200 A
• at AC-21 A at 415 V rated value	400 A
• at AC-21 B at 415 V rated value	400 A
• at AC-22 A at 415 V rated value	400 A
• at AC-22 B at 415 V rated value	400 A
• at AC-23 A at 415 V rated value	400 A
• at AC-23 B at 415 V rated value	400 A
• at AC-31 B at 415 V rated value	400 A
• at AC-32 B at 415 V rated value	400 A
• at AC-33 B at 415 V rated value	200 A
• at AC-33 iB at 415 V rated value	400 A
• at AC at 230 V rated value	0.5 A
• at DC-23 A at 440 V rated value	200 A
• at DC-21 A at 440 V rated value	200 A
• at DC-21 A at 220 V rated value	250 A
• at DC-22 A at 220 V rated value	250 A
• at DC-22 A at 440 V rated value	200 A
operational current of upstream fuse rated value	400 A
operational current at DC rated value	400 A
let-through current of the gG fuse at 690 V maximum permissible	30 000 A
let-through current with closed switch	
• at 690 V for combination switch + gG fuse maximum permissible	36 000 A

Main circuit

operating frequency rated value	
• minimum	45 Hz
• maximum	65 Hz
operational current rated value	400 A

Auxiliary circuit

number of connected NC contacts for auxiliary contacts	0
number of connected NO contacts for auxiliary contacts	3
number of connected CO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	4
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	0
suitability for use	
• main switch	Yes
• switch disconnecter	Yes
• EMERGENCY OFF switch	No
• safety switch	No
• maintenance/repair switch	Yes
product extension auxiliary switch	Yes
product extension optional	
• motor drive	No
• voltage trigger	No

Short circuit

short-circuit current making capacity (I _{cm}) for switch disconnecter	
• at 415 V AC without fuse link according to IEC	17 kA

60947-6-1 rated value minimum	
<ul style="list-style-type: none"> at 690 V AC without fuse link according to IEC 60947-3 rated value minimum 	22 kA
conditional short-circuit current with line-side fuse protection	
<ul style="list-style-type: none"> at 415 V by gG fuse according to IEC 60947-6-1 rated value 	50 kA
<ul style="list-style-type: none"> at 415 V by gG fuse rated value 	50 kA
<ul style="list-style-type: none"> at 690 V by gG fuse according to IEC 60947-3 rated value 	50 kA
input current at digital input with signal <0> maximum	1 mA
number of digital inputs	5
<ul style="list-style-type: none"> design of the switching input 	Connected with control terminal
relay design	1 relay: 1NO, 2A 250 VAC or 2A 24 VDC.
pulse duration minimum	0.06 s
input delay time	0.046 s

Connections

type of connectable conductor cross-sections	
<ul style="list-style-type: none"> for copper busbar 	1x32x8
type of connectable conductor cross-sections for copper conductor	
<ul style="list-style-type: none"> stranded with lug according to DIN 46234 	1x(185↔240 mm ²)
type of electrical connection	
<ul style="list-style-type: none"> of the inputs and outputs for main current circuit 	Removable/insertable busbar connection

Mechanical Design

height	170 mm
width	378 mm
depth	292 mm
fastening method	screw fixing
fastening method	
<ul style="list-style-type: none"> 4-hole front mounting 	No
<ul style="list-style-type: none"> front mounting with central attachment 	No
<ul style="list-style-type: none"> rail mounting 	No
net weight	8 100 g

Environmental conditions

ambient temperature during operation	
<ul style="list-style-type: none"> minimum maximum 	-20 °C 70 °C
ambient temperature during storage	
<ul style="list-style-type: none"> minimum maximum 	-40 °C 70 °C

General Product Approval

Declaration of Conformity



[Confirmation](#)

[Miscellaneous](#)



Declaration of Conformity

other



[Miscellaneous](#)

Further information

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

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

Industry Mall (Online ordering system)

