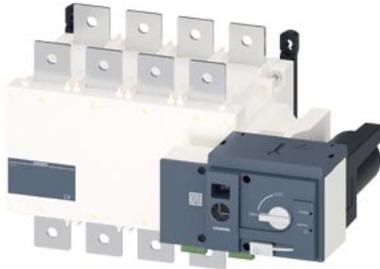


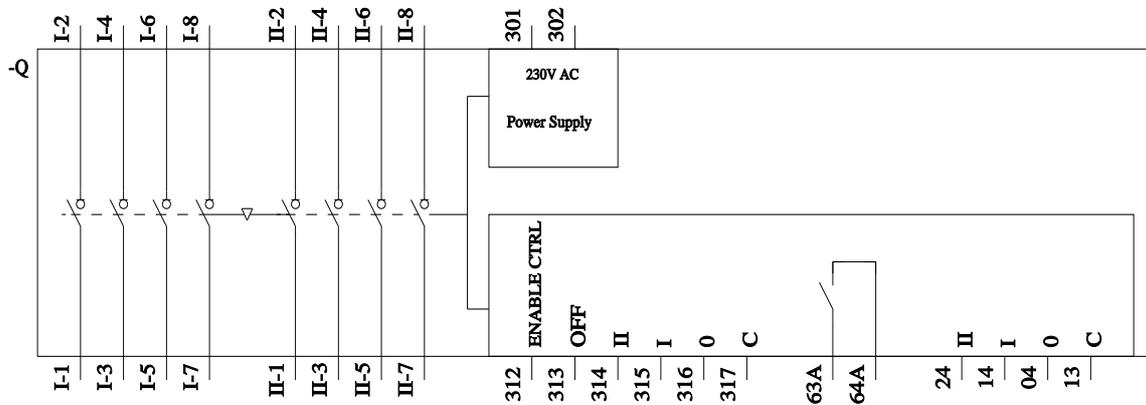
SENTRON, transfer switching equipment 3KC, remotely operated, RTSE, 4-pole, I<sub>n</sub>: 630 A, U<sub>e</sub> AC: 415 V, I<sub>e</sub> at AC-33 B at 415 V: 400 A, I<sub>e</sub> at AC-23 A at 690 V: 400 A, screw mounting, motorized operating mechanism, at the right end, long handle, busbar connection



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 (operating cycles) for function sequence O-I-O typical	4 000
I <sup>2</sup> t value	
<ul style="list-style-type: none"> <li>with closed switch at 690 V for combination switch + gG fuse maximum</li> </ul>	5 269 000 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>of the fuse at 415 V maximum permissible</li> </ul>	3 000 000 A <sup>2</sup> ·s
<ul style="list-style-type: none"> <li>of the gG fuse at 690 V maximum permissible</li> </ul>	4 500 000 A <sup>2</sup> ·s
position of the switch operating mechanism	at the right end
overvoltage category	IV
degree of pollution	3
<b>insulation voltage</b>	
<ul style="list-style-type: none"> <li>rated value</li> </ul>	1 000 V
<ul style="list-style-type: none"> <li>with degree of pollution 3 at DC rated value</li> </ul>	1 000 V
Supply voltage	
supply voltage at AC	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	166 V
<ul style="list-style-type: none"> <li>maximum</li> </ul>	332 V
Protection class	
protection class IP	IP00
protection class IP	
<ul style="list-style-type: none"> <li>with closed switch with cover or cable lug cover</li> </ul>	IP20
<ul style="list-style-type: none"> <li>on the front</li> </ul>	IP00
Dissipation	
power loss [W]	
<ul style="list-style-type: none"> <li>with conventional rated thermal current per device</li> </ul>	129.6 W
Main circuit	
operating frequency rated value	
<ul style="list-style-type: none"> <li>minimum</li> </ul>	45 Hz

• maximum	65 Hz
operational current rated value	630 A
<b>Auxiliary circuit</b>	
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
<b>product extension optional</b>	
• motor drive	No
• voltage trigger	No
<b>Short circuit</b>	
short-circuit current making capacity (I <sub>cm</sub> ) for switch disconnecter	
• at 415 V AC without fuse link according to IEC 60947-6-1 rated value minimum	25.2 kA
• at 690 V AC without fuse link according to IEC 60947-3 rated value minimum	17 kA
conditional short-circuit current with line-side fuse protection	
• at 415 V by gG fuse according to IEC 60947-6-1 rated value	50 kA
• at 415 V by gG fuse rated value	50 kA
• 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
• 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
<b>Connections</b>	
type of connectable conductor cross-sections	
• for copper busbar	2x40x5
type of connectable conductor cross-sections for copper conductor	
• stranded with lug according to DIN 46234	2 x (150 $\diamond$ 300 mm <sup>2</sup> )
type of electrical connection	
• of the inputs and outputs	Removable/insertable
• for main current circuit	busbar connection
<b>Mechanical Design</b>	
height	260 mm
width	437 mm
depth	368.5 mm
fastening method	screw fixing
fastening method	
• 4-hole front mounting	No
• front mounting with central attachment	No
• rail mounting	No
net weight	14 300 g
<b>Environmental conditions</b>	
ambient temperature during operation	
• minimum	-20 °C
• maximum	70 °C
ambient temperature during storage	





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