

SETRON, ATE, transfer switching equipment 3KC, automatically, ATSE, 4- pole, Iu: 630 A, Ue AC: 415 V, Ie at AC-33 B at 415 V: 400 A, Ie 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	SETRON
product line	ATE
product designation	3KC transfer switching equipment
design of the product	automatic
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
I2t value	
• with closed switch at 690 V for combination switch + gG fuse maximum	5 269 000 A²·s
• of the fuse at 415 V maximum permissible	3 000 000 A²·s
• of the gG fuse at 690 V maximum permissible	4 500 000 A²·s
position of the switch operating mechanism	at the right end
overvoltage category	III
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	129.6 W
Main circuit	
operating frequency rated value	

• minimum	45 Hz
• maximum	65 Hz
operational current rated value	630 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 • switch disconnecter • EMERGENCY OFF switch • safety switch • maintenance/repair switch	Yes Yes No Yes Yes
product extension auxiliary switch	Yes
product extension optional	
• motor drive • voltage trigger	No No
Short circuit	
short-circuit current making capacity (I _{cm}) 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	2.1 mA
number of digital inputs	11
• design of the switching input	Connected with control terminal
relay design	2 relays: 2NO, 2A 250 VAC or 2A 24 VDC; 1 relay: 1CO, 2A 250 VAC or 2A 24 VDC
pulse duration minimum	0.06 s
input delay time	0.046 s
number of monitored phases	3
Connections	
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 ²)
type of electrical connection	
• of the inputs and outputs • for main current circuit	Removable/insertable busbar connection
Mechanical Design	
height	260 mm
width	437 mm
depth	368.5 mm
fastening method	screw fixing
fastening method	
• 4-hole front mounting • front mounting with central attachment • rail mounting	No No No
net weight	15 400 g
Environmental conditions	
ambient temperature during operation	

• minimum • maximum	-20 °C 70 °C
ambient temperature during storage • minimum • maximum	-40 °C 70 °C

Approvals Certificates

General Product Approval



[Confirmation](#)

[Miscellaneous](#)

General Product Approval	Test Certificates	other	Dangerous Good	Environment
--------------------------	-------------------	-------	----------------	-------------



[Type Test Certificates/Test Report](#)

[Confirmation](#)

[Miscellaneous](#)

[Dangerous Goods Information](#)

[Environmental Confirmations](#)

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?mlfb=3KC8446-0EA22-0GA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KC8446-0EA22-0GA3>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC8446-0EA22-0GA3

CAX-Online-Generator

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

Tender specifications

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



