



SENTRON, 3KC transfer switching equipment, manually operated, MTSE, size: 3, 3-pole, Iu: 315 A, Ue AC: 415 V, Ie at AC-33 B at 415 V: 315 A, Ie at AC-23 A at 690 V: 315 A, Screw mounting, front operating mechanism, at the left end, without handle, busbar connection

Model

product brand name	SENTRON
product designation	3KC transfer switching equipment
design of the product	manually operated
display version for switch position indicator door-coupling rotary operating mechanism	I ON- O OFF- II ON
design of the actuating element	Without handle
design of handle	without
type of the driving mechanism	Front operating mechanism
type of the driving mechanism motor drive	No

General technical data

number of poles	3
type of device	fixed mounting
size of switch disconnector	3
mechanical service life (switching cycles) for function sequence O-I-O typical	10 000
I2t value	
with closed switch for combination switch + fuse at 500 V maximum	1 165 000 A²·s
with closed switch at 690 V for combination switch + gG fuse maximum	1 157 500 A²·s
with closed switch at 690 V for combination switch + aM fuse maximum	1 267 900 A²·s
of the fuse at 415 V maximum permissible	2 150 005 A²·s
of the fuse at 500 V maximum permissible	2 150 005 A²·s
of the gG fuse at 690 V maximum permissible	1 650 005 A²·s
of the aM fuse at 690 V maximum permissible	1 500 000 A²·s
with closed switch for combination switch + fuse at 415 V maximum	1 165 000 A²·s
position of the switch operating mechanism	at the left end
overvoltage category	IV
degree of pollution	3
insulation voltage	
rated value	1 000 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	30 W

operational current	
• at 35 °C rated value	315 A
• at 40 °C rated value	315 A
• at 45 °C rated value	315 A
• at 50 °C rated value	315 A
• at 55 °C rated value	315 A
• at 60 °C rated value	315 A
• at 65 °C rated value	315 A
• at 70 °C rated value	315 A
• at AC rated value	315 A
• at AC-23 A at 690 V rated value	315 A
• at AC-23 A at 500 V rated value	315 A
• at AC-22 A at 690 V rated value	315 A
• at AC-22 A at 500 V rated value	315 A
• at AC-21 at 500 V rated value	315 A
• at AC-21 at 690 V rated value	315 A
• at AC-21 A at 415 V rated value	315 A
• at AC-22 A at 415 V rated value	315 A
• at AC-23 A at 415 V rated value	315 A
• at AC-31 B at 415 V rated value	315 A
• at AC-32 B at 415 V rated value	315 A
• at AC-33 B at 415 V rated value	315 A
• at AC-33 iB at 415 V rated value	315 A
• at AC-35 B at 400 V rated value	315 A
operational current of upstream fuse rated value	400 A
let-through current of the fuse at 500 V maximum permissible	34 348 A
let-through current of the gG fuse at 690 V maximum permissible	33 005 A
let-through current of the aM fuse at 690 V maximum permissible	30 000 A
let-through current with closed switch	
• at 690 V for combination switch + aM fuse maximum permissible	27 300 A
• at 690 V for combination switch + gG fuse maximum permissible	28 000 A
• for combination switch + fuse at 500 V maximum permissible	35 200 A

Main circuit

operating power	
• at AC-23 A at 400 V at 50/60 Hz rated value	160 kW
• at AC-23 A at 500 V rated value	220 kW
operational current rated value	315 A

Auxiliary circuit

number of connected NC contacts for auxiliary contacts	0
number of connected NO contacts for auxiliary contacts	0
number of connected CO contacts for auxiliary contacts	0
number of CO contacts for auxiliary contacts	0
number of NC contacts for auxiliary contacts	12
number of NO contacts for auxiliary contacts	12
suitability for use	
• main switch	Yes
• switch disconnecter	Yes
• EMERGENCY OFF switch	Yes
• safety switch	Yes
• 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 (Icm) for switch disconnecter	
• at 415 V AC without fuse link according to IEC 60947-6-1 rated value minimum	36 kA

at 690 V AC without fuse link according to IEC 60947-3 rated value minimum	26 kA
conditional short-circuit current with line-side fuse protection	
at 415 V by gG fuse according to IEC 60947-6-1 rated value	65 kA
at 415 V by gG fuse rated value	65 kA
at 500 V by gG fuse according to IEC 60947-3 rated value	65 kA
at 690 V by gG fuse according to IEC 60947-3 rated value	35 kA

Connections

type of connectable conductor cross-sections for aluminum conductor stranded with lug	1x (25 ... 240 mm ²), 2x (25 ... 120 mm ²)
type of connectable conductor cross-sections	
with combination of Al conductor+switch	315 A / 240 mm ²
for copper busbar	1x (30x10 mm ²)
type of connectable conductor cross-sections for copper conductor	
stranded with lug according to DIN 46234	1x (6 ... 240 mm ²), 2x (6 ... 150 mm ²)
stranded with lug according to DIN 46235	1x (16 ... 185 mm ²), 2x (16 ... 150 mm ²)
type of electrical connection	
for main current circuit	busbar connection

Mechanical Design

height	164 mm
width	235 mm
depth	197.2 mm
fastening method	screw fixing
fastening method	
4-hole front mounting	No
front mounting with central attachment	No
rail mounting	No
net weight	5 400 g

Environmental conditions

ambient temperature during operation	
minimum	-25 °C
maximum	70 °C
ambient temperature during storage	
minimum	-50 °C
maximum	80 °C

General Product Approval

Declaration of Conformity



[Confirmation](#)



[Miscellaneous](#)



Declaration of Conformity

Marine / Shipping

other



[Miscellaneous](#)

Further information

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=3KC0340-0PE00-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KC0340-0PE00-0AA0>

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC0340-0PE00-0AA0

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

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





