

SENTRON, 3KC transfer switching equipment, manually operated, MTSE, size: 2, 4-pole, Iu: 100 A, Ue AC: 415 V, Ie at AC-33 B at 415 V: 100 A, Ie at AC-23 A at 690 V: 100 A, screw and standard mounting rail installation 35 mm, front operating mechanism, centered, without handle, box terminal



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 operating mechanism	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	4
type of device	fixed mounting
size of switch disconnecter	2
mechanical service life (switching cycles) / for function sequence O-I-O / typical	15 000
I2t value <ul style="list-style-type: none"> • with closed switch / for combination switch + fuse / at 500 V / maximum 	135 600 A²·s

• with closed switch / at 690 V / for combination switch + gG fuse / maximum	178 300 A ² ·s
• with closed switch / at 690 V / for combination switch + aM fuse / maximum	201 200 A ² ·s
• of the fuse / at 415 V / maximum permissible	223 005 A ² ·s
• of the fuse / at 500 V / maximum permissible	223 005 A ² ·s
• of the gG fuse / at 690 V / maximum permissible	226 005 A ² ·s
• of the aM fuse / at 690 V / maximum permissible	235 000 A ² ·s
• with closed switch / for combination switch + fuse / at 415 V / maximum	135 600 A ² ·s
position / of the switch operating mechanism	in center
overvoltage category	III
degree of pollution	3
insulation voltage	
• rated value	1 000 V

Supply voltage

operating current / at AC / rated value	100 A
operating voltage	
• at AC / at 50/60 Hz / rated value	415 V

Protection class

protection class IP	IP20
protection class IP	
• with closed switch / with cover or cable lug cover	IP20
• on the front	IP20

Dissipation

power loss [W]	
• with conventional rated thermal current / per pole	3 W
• with conventional rated thermal current / per device	12 W
• for rated value of the current / at AC / in hot operating state / per pole	3 W
• operating current / at AC-23 A / at 690 V / rated value	100 A
• operating current / at AC-23 A / at 500 V / rated value	100 A
• operating current / at AC-22 A / at 690 V / rated value	100 A
• operating current / at AC-22 A / at 500 V / rated value	100 A

• operating current / at AC-21 / at 690 V / rated value	100 A
• operating current / at AC-21 / at 500 V / rated value	100 A
• operating current / at AC-21 A / at 415 V / rated value	100 A
• operating current / at AC-22 A / at 415 V / rated value	100 A
• operating current / at AC-23 A / at 415 V / rated value	100 A
• operating current / at AC-31 B / at 415 V / rated value	100 A
• operating current / at AC-32 B / at 415 V / rated value	100 A
• operating current / at AC-33 B / at 415 V / rated value	100 A
• operating current / at AC-33 iB / at 415 V / rated value	100 A
• operating current / at AC-35 B / at 400 V / rated value	100 A
continuous current	
• rated value	100 A
• at 40 °C / rated value	100 A
• at 45 °C / rated value	100 A
• at 50 °C / rated value	100 A
• at 55 °C / rated value	100 A
• at 60 °C / rated value	100 A
• at 65 °C / rated value	100 A
• at 70 °C / rated value	100 A
operating current / of upstream fuse / rated value	160 A
let-through current / of the fuse / at 500 V / maximum permissible	18 005 A
let-through current / of the gG fuse / at 690 V / maximum permissible	16 005 A
let-through current / of the aM fuse / at 690 V / maximum permissible	16 700 A
let-through current / with closed switch	
• at 690 V / for combination switch + aM fuse / maximum permissible	17 600 A
• at 690 V / for combination switch + gG fuse / maximum permissible	18 700 A
• for combination switch + fuse / at 500 V / maximum permissible	17 900 A

Main circuit

operating power	
• at AC-23 A / at 400 V / at 50/60 Hz / rated value	55 kW
• at AC-23 A / at 500 V / rated value	55 kW
• at AC-23 A / at 690 V / at 50/60 Hz / rated value	90 kW
operating current / rated value	100 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	8
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	Yes
• safety switch	Yes
• maintenance/repair switch	Yes
product feature / interlock	No
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 AC 415 V / without fuse link / acc. to IEC 60947-6-1 / rated value / minimum	17 kA
• at AC 690 V / without fuse link / acc. to IEC 60947-3 / rated value / minimum	12 kA
conditional short-circuit current / with line-side fuse protection	
• at 415 V / by gG fuse / acc. to IEC 60947-6-1 / rated value	100 kA
• at 415 V / by gG fuse / rated value	100 kA
• at 500 V / by gG fuse / acc. to IEC 60947-3 / rated value	100 kA
• at 690 V / by gG fuse / acc. to IEC 60947-3 / rated value	65 kA

Connections

type of connectable conductor cross-sections / with flexible busbar	3x (0.8x14 mm ²)
type of connectable conductor cross-sections <ul style="list-style-type: none"> • for copper busbar 	1x (3x14 mm ²)
type of connectable conductor cross-sections / for copper conductor <ul style="list-style-type: none"> • solid • finely stranded / with core end processing • stranded 	1x (2.5 ... 16 mm ²) 1x (2.5 ... 70 mm ²) 1x (10 ... 70 mm ²)
type of electrical connection <ul style="list-style-type: none"> • for main current circuit 	box terminal

Mechanical Design

height	126 mm
width	309.6 mm
depth	84.5 mm
mounting type	Screw fixing and standard rail mounting 35 mm
mounting type <ul style="list-style-type: none"> • front mounting with 4-hole attachment • front mounting with central attachment • rail mounting 	No No Yes
mounting position	any
net weight	2 650 g

Environmental conditions

ambient temperature / during operation <ul style="list-style-type: none"> • minimum • maximum 	-25 °C 70 °C
ambient temperature / during storage <ul style="list-style-type: none"> • minimum • maximum 	-50 °C 80 °C

Certificates

reference code <ul style="list-style-type: none"> • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 	Q Q
---	--------

General Product Approval

Declaration of Conformity

Shipping Approval



[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=3KC0430-2NE00-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KC0430-2NE00-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC0430-2NE00-0AA0

CAX-Online-Generator

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

Tender specifications

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





