



SENTRON, transfer switching equipment 3KC, remotely operated, RTSE, 3-pole, I_n: 630 A, U_e AC: 415 V, I_e at AC-33 B at 415 V: 400 A, I_e 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 | 3 |
| type of device | fixed mounting |
| mechanical service life (operating cycles) for function sequence O-I-O typical | 4 000 |
| I ² t value | |
| <ul style="list-style-type: none"> with closed switch at 690 V for combination switch + gG fuse maximum | 5 269 000 A ² ·s |
| <ul style="list-style-type: none"> of the fuse at 415 V maximum permissible | 3 000 000 A ² ·s |
| <ul style="list-style-type: none"> of the gG fuse at 690 V maximum permissible | 4 500 000 A ² ·s |
| position of the switch operating mechanism | at the right end |
| overvoltage category | IV |
| degree of pollution | 3 |
| insulation voltage | |
| <ul style="list-style-type: none"> rated value | 1 000 V |
| <ul style="list-style-type: none"> with degree of pollution 3 at DC rated value | 1 000 V |
| Supply voltage | |
| supply voltage at AC | |
| <ul style="list-style-type: none"> minimum | 166 V |
| <ul style="list-style-type: none"> maximum | 332 V |
| Protection class | |
| protection class IP | IP00 |
| protection class IP | |
| <ul style="list-style-type: none"> with closed switch with cover or cable lug cover | IP20 |
| <ul style="list-style-type: none"> on the front | IP00 |
| Dissipation | |
| power loss [W] | |
| <ul style="list-style-type: none"> with conventional rated thermal current per device | 97.2 W |
| Main circuit | |
| operating frequency rated value | |
| <ul style="list-style-type: none"> minimum | 45 Hz |

| | |
|--|---|
| <ul style="list-style-type: none"> • 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 | |
| <ul style="list-style-type: none"> • main switch | Yes |
| <ul style="list-style-type: none"> • switch disconnecter | Yes |
| <ul style="list-style-type: none"> • EMERGENCY OFF switch | No |
| <ul style="list-style-type: none"> • safety switch | No |
| <ul style="list-style-type: none"> • maintenance/repair switch | Yes |
| product extension auxiliary switch | Yes |
| product extension optional | |
| <ul style="list-style-type: none"> • motor drive | No |
| <ul style="list-style-type: none"> • voltage trigger | No |
| Short circuit | |
| short-circuit current making capacity (I _{cm}) for switch disconnecter | |
| <ul style="list-style-type: none"> • at 415 V AC without fuse link according to IEC 60947-6-1 rated value minimum | 25.2 kA |
| <ul style="list-style-type: none"> • 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 | |
| <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 | 2x40x5 |
| type of connectable conductor cross-sections for copper conductor | |
| <ul style="list-style-type: none"> • stranded with lug according to DIN 46234 | 2 x (150 \diamond 300 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 | 260 mm |
| width | 377 mm |
| depth | 368.5 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 | 12 200 g |
| Environmental conditions | |
| ambient temperature during operation | |
| <ul style="list-style-type: none"> • minimum | -20 °C |
| <ul style="list-style-type: none"> • maximum | 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

Environment



[Type Test Certificates/Test Report](#)

[Confirmation](#)

[Miscellaneous](#)

[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=3KC4346-0EA21-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KC4346-0EA21-0AA3>

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

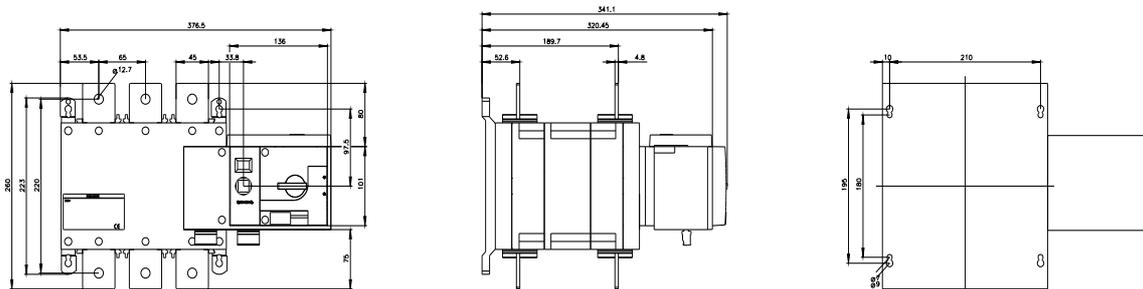
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC4346-0EA21-0AA3

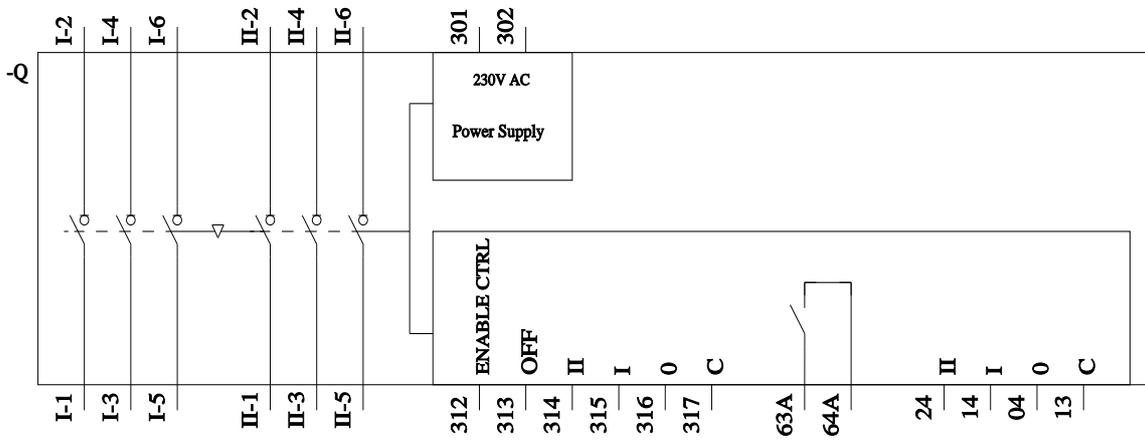
CAX-Online-Generator

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

Tender specifications

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





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