



SETRON, 3KC transfer switching equipment, manually operated, MTSE, size: 3, 3-pole, Iu: 400 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 | SETRON |
| 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 (operating cycles) for function sequence O-I-O typical | 10 000 |
| I2t value | |
| <ul style="list-style-type: none"> with closed switch for combination switch + fuse at 500 V maximum | 1 165 000 A²·s |
| <ul style="list-style-type: none"> with closed switch at 690 V for combination switch + gG fuse maximum | 1 157 500 A²·s |
| <ul style="list-style-type: none"> with closed switch at 690 V for combination switch + aM fuse maximum | 1 267 900 A²·s |
| <ul style="list-style-type: none"> of the fuse at 415 V maximum permissible | 2 150 005 A²·s |
| <ul style="list-style-type: none"> of the fuse at 500 V maximum permissible | 2 150 005 A²·s |
| <ul style="list-style-type: none"> of the gG fuse at 690 V maximum permissible | 1 650 005 A²·s |
| <ul style="list-style-type: none"> of the aM fuse at 690 V maximum permissible | 1 500 000 A²·s |
| <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> rated value | 1 000 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 | 51 W |

| | |
|---|--|
| Main circuit | |
| operating power | |
| • at AC-23 A at 400 V at 50/60 Hz rated value | 220 kW |
| • at AC-23 A at 500 V rated value | 250 kW |
| operational current rated value | 400 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 |
| suitability for use switch disconnecter | Yes |
| suitability for use EMERGENCY OFF switch | Yes |
| suitability for use safety switch | Yes |
| suitability for use 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 (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 mm²), 2x (25 ... 120 mm²) |
| type of connectable conductor cross-sections | |
| • with combination of Al conductor+switch | 315 A / 240 mm² |
| • for copper busbar | 1x (30x10 mm²) |
| type of connectable conductor cross-sections for copper conductor | |
| • stranded with lug according to DIN 46234 | 1x (6 ... 240 mm²), 2x (6 ... 150 mm²) |
| • stranded with lug according to DIN 46235 | 1x (16 ... 185 mm²), 2x (16 ... 150 mm²) |
| 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 |

Approvals Certificates

General Product Approval



EG-Konf.

[Confirmation](#)



[Miscellaneous](#)

| General Product Approval | Test Certificates | Marine / Shipping | other |
|--------------------------|-------------------|-------------------|-------|
|--------------------------|-------------------|-------------------|-------|



[Type Test Certificates/Test Report](#)



DNV



LRS

[Miscellaneous](#)

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Environment

[Environmental Conformations](#)

[Environmental Conformations](#)

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=3KC0342-0PE00-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KC0342-0PE00-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC0342-0PE00-0AA0

CAX-Online-Generator

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

Tender specifications

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

