

Switch disconnecter 32A, size 01, 3-pole Front operating mechanism center Complete unit with direct operating mechanism gray Box terminal



| Model | |
|--|---------------------------|
| product brand name | SETRON |
| product designation | 3KD switch disconnecter |
| design of the product | Switch |
| display version / for switch position indicator manual operation | O-I |
| design of the operating mechanism | Short rotary knob |
| 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 disconnecter | 01 |
| mechanical service life (switching cycles) / typical | 100 000 |
| electrical endurance (switching cycles) | |
| • at AC-23 A / at 690 V | 6 000 |
| • I _{2t} value / of the fuse / at 500 V / maximum permissible | 6 400 A ² ·s |

| | |
|---|-------------------------|
| • I2t value / of the gG fuse / at 690 V / maximum permissible | 5 800 A ² ·s |
| position / of the switch operating mechanism | central |
| overvoltage in percent / relative to the operating voltage / at AC / at 400, 500, 690 V / at 50/60 Hz | 5 % |
| overvoltage category | III |
| degree of pollution | 3 |

Voltage

| | |
|--|-------|
| insulation voltage | |
| • rated value | 750 V |
| surge voltage resistance / rated value | 8 kV |

Supply voltage

| | |
|---|-------|
| operating current / at AC / rated value | 32 A |
| operating voltage | |
| • at AC / at 50/60 Hz / rated value | 690 V |

Protection class

| | |
|--|------|
| protection class IP | IP10 |
| protection class IP | |
| • with closed switch / with cover or cable lug cover | IP10 |
| • on the front | IP40 |

Dissipation

| | |
|--|-------|
| power loss [W] | |
| • with conventional rated thermal current / per pole | 1.2 W |
| • with conventional rated thermal current / per device | 1.2 W |
| • for rated value of the current / at AC / in hot operating state / per pole | 1.2 W |

Current

| | |
|---|------|
| • operating current / at AC-23 A / at 690 V / rated value | 17 A |
| • operating current / at AC-23 A / at 500 V / rated value | 17 A |
| • operating current / at AC-23 A / at 400 V / rated value | 32 A |
| • operating current / at AC-22 A / at 690 V / rated value | 32 A |
| • operating current / at AC-22 A / at 500 V / rated value | 32 A |
| • operating current / at AC-22 A / at 400 V / rated value | 32 A |

| | |
|---|---------|
| • operating current / at AC-21 A / at 400 V / rated value | 32 A |
| • operating current / at AC-21 A / at 500 V / rated value | 32 A |
| • operating current / at AC-21 A / at 690 V / rated value | 32 A |
| • operating current / at AC-23 A / at 500 V / at 50/60 Hz / rated value / maximum | 17 A |
| • operating current / at AC-22 A / at 500 V / at 50/60 Hz / rated value / maximum | 32 A |
| • operating current / at AC-22 A / at 400 V / at 50/60 Hz / rated value / maximum | 32 A |
| • operating current / at AC-22 A / at 690 V / at 50/60 Hz / rated value / maximum | 32 A |
| • operating current / at AC-23 A / at 400 V / at 50/60 Hz / rated value / maximum | 32 A |
| • operating current / at AC-23 A / at 690 V / at 50/60 Hz / rated value / maximum | 17 A |
| continuous current | |
| • rated value | 32 A |
| continuous current / of upstream fuse / at 500 V and 690 V / rated value | 32 A |
| let-through current / of the fuse / at 500 V / maximum permissible | 3 700 A |
| let-through current / of the gG fuse / at 690 V / maximum permissible | 3 700 A |

Main circuit

| | |
|---|-------|
| operating power | |
| • at AC-23 A / at 400 V / at 50/60 Hz / rated value | 15 kW |
| • at AC-23 A / at 500 V / rated value | 11 kW |
| • at AC-23 A / at 690 V / at 50/60 Hz / rated value | 15 kW |
| operating current / rated value | 32 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 | 2 |
| number of NO contacts / for auxiliary contacts | 2 |

Suitability

| | |
|---------------------|--|
| suitability for use | |
|---------------------|--|

| | |
|-----------------------------|-----|
| • main switch | Yes |
| • switch disconnecter | Yes |
| • EMERGENCY OFF switch | No |
| • safety switch | Yes |
| • maintenance/repair switch | Yes |

Product details

| | |
|---|-----|
| product feature / interlock | Yes |
| product component | |
| • trip indicator | No |
| • voltage trigger | No |
| • undervoltage release | No |
| • undervoltage release with leading contact | 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 / without fuse link / rated value / minimum | 1.78 kA |
| conditional short-circuit current / with line-side fuse protection | |
| • at 500 V / by gG fuse / rated value | 50 kA |
| • at 690 V / by gG fuse / rated value | 50 kA |

Connections

| | |
|---|----------------------------------|
| type of connectable conductor cross-sections / for copper conductor | |
| • solid | 1 x (2,5 ... 35) mm ² |
| • finely stranded / with core end processing | 1 x (2,5 ... 16) mm ² |
| • stranded | 1 x (2,5 ... 5) mm ² |
| type of electrical connection | |
| • for main current circuit | box terminal |

Mechanical Design

| | |
|--|---|
| height | 100 mm |
| width | 63 mm |
| depth | 92 mm |
| mounting type | Screw fixing and standard rail mounting 35 mm |
| mounting type | |
| • front mounting with 4-hole attachment | No |
| • front mounting with central attachment | No |
| • rail mounting | Yes |

| | |
|-------------------|-------|
| mounting position | any |
| net weight | 295 g |

Environmental conditions

| | |
|--|--------|
| ambient temperature / during operation | |
| • minimum | -5 °C |
| • maximum | 40 °C |
| ambient temperature / during storage | |
| • minimum | -25 °C |
| • maximum | 55 °C |

Certificates

| | |
|--------------------------|---|
| reference code | |
| • acc. to DIN EN 61346-2 | Q |
| • acc. to DIN EN 81346-2 | Q |

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=3KD0232-2KG20-3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3KD0232-2KG20-3>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KD0232-2KG20-3

CAX-Online-Generator

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

Tender specifications

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



