SIEMENS

Data sheet

3LD3430-0TK13

Load disconnector 3LD3, lu 63 A Main switch 3-pole Rated operating capacity at AC-23 A at 400V 22.0 kW Installation in distribution boards, Basic switch with selector knob red / yellow



| Model | |
|---|-------------------------------------|
| Product brand name | SENTRON |
| Product designation | 3LD Switch disconnector |
| Design of the product | EMERGENCY-STOP switch |
| Display version / for switch position indicator manual operation | 1 ON - 0 OFF |
| Design of the operating mechanism | selector switch |
| Design of handle | knob-operated mechanism, red/yellow |
| Type of the driving mechanism / motor drive | No |
| General technical data | |
| General technical data | |
| General technical data Number of poles | 3 |
| | 3 3 |
| Number of poles | |
| Number of poles Number of poles / Note | 3 |
| Number of poles Number of poles / Note Type of device | 3 fixed mounting |
| Number of poles Number of poles / Note Type of device Type of switch | 3 fixed mounting |

| Let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum | 21 kA2.s |
|--|----------|
| Mechanical service life (switching cycles) / typical | 100 000 |
| Operating frequency / maximum | 50 1/h |
| Type of fuse / according to UL | RK5 |
| Voltage | |
| Insulation voltage / rated value | 690 V |
| Surge voltage resistance / rated value | 6 kV |
| Current / at AC / rated value | 63 A |
| Operating voltage | |
| • at AC / at 50/60 Hz / rated value | 690 V |
| • at AC / at 50/60 Hz / acc. to UL 508 / rated | 600 V |
| value | |
| Active power [hp] / at AC | |
| • at 480 V / acc. to UL 508 / rated value | 25 |
| • at 600 V / acc. to UL 508 / rated value | 30 |
| Protection class | |
| Protection class IP | IP40 |
| Protection class IP / on the front | IP40 |
| Dissipation | |
| Power loss [W] | |
| for rated value of the current / at AC / in hot operating state / per pole | 4.5 W |
| • per conductor / typical | 4.5 W |
| Current | |
| Operating current | |
| • at AC-23 A / at 690 V / rated value | 22 A |
| • at AC-23 A / at 400 V / rated value | 43 A |
| • at AC-22 A / at 690 V / rated value | 22 A |
| • at AC-21 / at 690 V / rated value | 63 A |
| • at AC-21 A / at 240 V / rated value | 63 A |
| • at AC-21 A / at 440 V / rated value | 63 A |
| • at AC-22 A / at 240 V / rated value | 38 A |
| • at AC-22 A / at 440 V / rated value | 43 A |
| • at AC-23 A / at 240 V / rated value | 38 A |
| • at AC-23 A / at 440 V / rated value | 43 A |
| • at AC / acc. to UL 508 / rated value | 63 A |
| Operating current / of upstream fuse / rated value | 63 A |
| Continuous current / of upstream fuse / according to UL / rated value | 50 A |
| Let-through current / with closed switch | |
| | |

| at 440 V / for combination switch + gG fuse / maximum at 690 V / for combination switch + gG fuse / maximum permissible | 6 kA 6 kA |
|--|--------------|
| Short-time withstand current (Icw) | |
| limited to 1 s / rated value | 1 000 A |
| • at 690 V / limited to 1 s / rated value | 1 000 A |

Main circuit

| Operating frequency | |
|---------------------------------------|---------|
| • initial value | 50 Hz |
| • Full-scale value | 60 Hz |
| Operating power | |
| • at AC-23 A / at 240 V / rated value | 11 kW |
| • at AC-23 A / at 400 V / rated value | 22 kW |
| • at AC-23 A / at 440 V / rated value | 22 kW |
| • at AC-23 A / at 690 V / rated value | 18.5 kW |
| • at AC-3 / at 240 V / rated value | 11 kW |
| • at AC-3 / at 400 V / rated value | 18.5 kW |
| • at AC-3 / at 690 V / rated value | 15 kW |
| Operating current / rated value | 63 A |

| Auxiliary circuit | |
|---|-------|
| Number of CO contacts / for auxiliary contacts | 0 |
| Number of NC contacts / for auxiliary contacts | 0 |
| Number of NO contacts / for auxiliary contacts | 0 |
| Operating voltage / of auxiliary contacts / at AC / maximum | 500 V |
| Continuous current / of the auxiliary contact / rated value | 10 A |
| Insulation voltage / of the auxiliary switch / rated value | 500 V |

| Suitability | |
|---|-----|
| Suitability for use | |
| Main switch | Yes |
| switch disconnector | Yes |
| EMERGENCY OFF switch | Yes |
| safety switch | Yes |
| maintenance/repair switch | Yes |

Appearance Color / of the actuating element

red

Product details

| Product function / can be locked into OFF | Yes |
|--|-------------------------------------|
| position | |
| Number of bracket locks / maximum | 2 |
| Hasp thickness / of the bracket locks / minimum | 4 mm |
| Hasp thickness / of the bracket locks / maximum | 6 mm |
| Special product feature | Can be locked in zero position |
| Short circuit | |
| Short-time withstand current (SCCR) / at 600 V / acc. | 5 kA |
| to UL 508 | |
| Conditional short-circuit current / with line-side fuse | |
| protection | |
| • at 690 V / by gG fuse / rated value | 6 kA |
| Number of connectable NC contacts / for auxiliary contacts / attachable / maximum | 2 |
| Number of connectable NO contacts / for auxiliary contacts / attachable / maximum | 4 |
| Number of connectable CO contacts / for auxiliary contacts / attachable / maximum | 0 |
| Connections | |
| AWG number / as coded connectable conductor | |
| cross section / solid | |
| • maximum | 6 |
| • minimum | 14 |
| Type of electrical connection | |
| for main current circuit | box terminal |
| for auxiliary contacts | Box terminals |
| Requirements | |
| Design of the fuse link | |
| for short-circuit protection of the main circuit / required | fuse gL/gG: 63 A |
| for short-circuit protection of the auxiliary switch / required | fuse gL/gG: 10 A |
| Mechanical Design | |
| Height | 60 mm |
| Width | 36 mm |
| Depth | 77 mm |
| Mounting type | Built-in unit fixed-mounted version |
| Mounting type | |
| front mounting with 4-hole attachment | No |
| front mounting with central attachment | No |
| • rail mounting | Yes |
| Net weight | 200 g |

| Environmental conditions | |
|--|---------------------------|
| Ambient temperature / during operation | |
| • minimum | -25 °C |
| ● maximum | 55 °C |
| Ambient temperature / during storage / minimum | -25 °C |
| Certificates | |
| Reference code | |
| • acc. to DIN EN 61346-2 | S |
| • acc. to DIN EN 81346-2 | SF |
| General Product Approval | Declaration of Conformity |
| | EG-Konf. |

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=3LD3430-0TK13

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3LD3430-0TK13

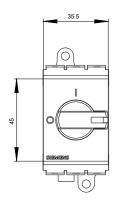
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3430-0TK13

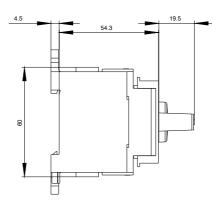
CAx-Online-Generator

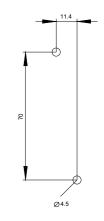
http://www.siemens.com/cax

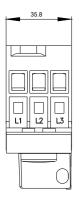
Tender specifications

http://www.siemens.com/specifications









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