

Switch disconnecter 3LD3, main switch 3-polig + N, lu 63A
operational switch at AC-23 A at 400 V 22,0 kW front mounted Base
mounting with center-hole 22,5 mm knob-operated mechanism black
66 x66 mm



| Model | |
|------------------------------------------------------------------|-----------------------------------|
| Product brand name | SENTRON |
| Product designation | 3LD Switch disconnecter |
| Design of the product | Main switch |
| Display version / for switch position indicator manual operation | 1 ON - 0 OFF |
| Design of the operating mechanism | Short rotary knob |
| Design of handle | rotary operating mechanism, black |
| Type of the driving mechanism / motor drive | No |
| General technical data | |
| Number of poles | 4 |
| Type of device | fixed mounting |
| Type of switch | front mounted |
| Operating frequency / maximum | 50 1/h |
| Voltage | |
| Insulation voltage / rated value | 690 V |
| Surge voltage resistance / rated value | 6 kV |
| Protection class | |

| | |
|------------------------------------------------------------------------------------------------------------------------------|---------|
| Protection class IP | IP65 |
| Protection class IP / on the front | IP65 |
| Dissipation | |
| Power loss [W] | |
| <ul style="list-style-type: none"> for rated value of the current / at AC / in hot operating state / per pole | 4.5 W |
| Electricity | |
| Current / at AC / rated value | 63 A |
| Continuous current / rated value | 63 A |
| Short-time current resistance (I _{cw}) / at 690 V / limited to 1 s / rated value | 1 000 A |
| Main circuit | |
| Operating frequency | |
| <ul style="list-style-type: none"> initial value | 50 Hz |
| <ul style="list-style-type: none"> Full-scale value | 60 Hz |
| Operating power | |
| <ul style="list-style-type: none"> at AC-23 A / at 400 V / rated value | 22 kW |
| <ul style="list-style-type: none"> at AC-23 A / at 690 V / rated value | 18.5 kW |
| <ul style="list-style-type: none"> at AC-3 / at 400 V / rated value | 18.5 kW |
| <ul style="list-style-type: none"> at AC-3 / at 690 V / rated value | 15 kW |
| Operating voltage | |
| <ul style="list-style-type: none"> at AC / at 50/60 Hz / rated value | 690 V |
| Auxiliary circuit | |
| 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 | |
| <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 | Yes |
| <ul style="list-style-type: none"> safety switch | Yes |
| <ul style="list-style-type: none"> maintenance/repair switch | Yes |
| Product details | |
| Product feature / interlock | Yes |
| Product extension / optional | |
| <ul style="list-style-type: none"> motor drive | No |
| <ul style="list-style-type: none"> Voltage trigger | No |

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| Short-time current resistance (I _{cw}) / limited to 1 s / rated value | 1 000 kA |
| Number of NC contacts | 0 |
| Number of NO contacts | 0 |

Connections

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| Type of electrical connection | Box terminal |
| <ul style="list-style-type: none"> for main current circuit | |

Requirements

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| Design of the fuse link | |
| <ul style="list-style-type: none"> for short-circuit protection of the main circuit / required | fuse gL/gG: 63 A |
| <ul style="list-style-type: none"> for short-circuit protection of the auxiliary switch / required | fuse gL/gG: 10 A |

Mechanical Design

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| Height | 60 mm |
| Width | 49 mm |
| Depth | 114 mm |
| Mounting type | Built-in unit fixed-mounted version |
| Mounting type | |
| <ul style="list-style-type: none"> front mounting with 4-hole attachment | No |
| <ul style="list-style-type: none"> front mounting with central attachment | Yes |
| <ul style="list-style-type: none"> rail mounting | No |
| Net weight | 200 g |

Environmental conditions

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| Ambient temperature | |
| <ul style="list-style-type: none"> during operation / minimum | -25 °C |
| <ul style="list-style-type: none"> during operation / maximum | 55 °C |

Certificates

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| Equipment marking | |
| <ul style="list-style-type: none"> acc. to DIN EN 61346-2 | S |
| <ul style="list-style-type: none"> acc. to DIN EN 81346-2 | SF |

Declaration of Conformity



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=3LD3454-0TL51>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3454-0TL51>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3454-0TL51

CAX-Online-Generator

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

Tender specifications

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



