

Switch disconnecter 3LD3, main switch 3-polig, Iu 25A operational switch at AC-23 A at 400 V 9,0 kW Distribution board mounting Base mounting with knob-operated mechanism black with auxiliary 1NO+1NC

| 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 | selector switch |
| Design of handle | knob-operated mechanism, black |
| Type of the driving mechanism / motor drive | No |

| General technical data | |
|-------------------------------|-------------------|
| Number of poles | 3 |
| Type of device | fixed mounting |
| Type of switch | DIN-rail mounting |
| 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 | IP44 |
| Protection class IP / on the front | IP44 |

| Dissipation | |
|--|-------|
| Power loss [W] | 1.1 W |
| <ul style="list-style-type: none"> for rated value of the current / at AC / in hot operating state / per pole | |

| Electricity | |
|---|-------|
| Current / at AC / rated value | 25 A |
| Continuous current / rated value | 25 A |
| Short-time current resistance (Icw) / at 690 V / limited to 1 s / rated value | 500 A |

| Main circuit | |
|---|-------|
| Operating frequency | 50 Hz |
| <ul style="list-style-type: none"> initial value | |

| | |
|---|--------|
| <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 | 9.5 kW |
| <ul style="list-style-type: none"> • at AC-23 A / at 690 V / rated value | 9 kW |
| <ul style="list-style-type: none"> • at AC-3 / at 400 V / rated value | 7.5 kW |
| <ul style="list-style-type: none"> • at AC-3 / at 690 V / rated value | 7.5 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 |
| Short-time current resistance (I_{cw}) / limited to 1 s / rated value | 500 kA |
| Number of NC contacts | 1 |
| Number of NO contacts | 1 |

Connections

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

Requirements

| | |
|---|------------------|
| Design of the fuse link | |
| <ul style="list-style-type: none"> • for short-circuit protection of the main circuit / required | fuse gL/gG: 25 A |
| <ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch / required | fuse gL/gG: 10 A |

Mechanical Design

| | |
|--|-------------------------------------|
| Height | 60 mm |
| Width | 47 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
- during operation / maximum 55 °C

Certificates

Equipment marking

- acc. to DIN EN 61346-2 S
- acc. to DIN EN 81346-2 SF

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=3LD3130-1TK11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3130-1TK11>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3130-1TK11

CAX-Online-Generator

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

Tender specifications

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