

Switch disconnecter 3LD3, main switch 3-polig + N, lu 16A
operational switch at AC-23 A at 400 V 7,5 kW floor mounting Base
mounting with door coupling center-hole 22,5 mm knob-operated
mechanism red/yellow 48 x 48 mm



| Model | |
|--|-------------------------------------|
| Product brand name | SETRON |
| Product designation | 3LD Switch disconnecter |
| 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 | |
| Number of poles | 4 |
| Type of device | fixed mounting |
| Type of switch | Floor mounting with door coupling |
| 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] | 0.5 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 | 16 A |
| Continuous current / rated value | 16 A |
| Short-time current resistance (I _{cw}) / at 690 V / limited to 1 s / rated value | 500 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 | 7.5 kW |
| <ul style="list-style-type: none"> • at AC-23 A / at 690 V / rated value | 7.5 kW |
| <ul style="list-style-type: none"> • at AC-3 / at 400 V / rated value | 5.5 kW |
| <ul style="list-style-type: none"> • at AC-3 / at 690 V / rated value | 5.5 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 | 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: 20 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 | 380 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 | Yes |
| Net weight | 300 g |

Environmental conditions

| | |
|--|--------|
| 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

| | |
|--|----|
| 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=3LD3040-OTL13>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD3040-OTL13>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3040-OTL13

CAX-Online-Generator

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

Tender specifications

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



