



SENTRON, Switch disconnecter 3LD, emergency switching-off switch, 3-pole, Iu: 32 A, operating power / at AC-23 A 400 V: 11.5 kW, molded-plastic encapsulation for inch cable gland, rotary operating mechanism, red/yellow

| Model  |  |
|--|--|
| product brand name   | SENTRON  |
| 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 actuating element  | Short rotary knob                                |
| design of handle   | rotary operating mechanism, red/yellow           |
| type of the driving mechanism / motor drive  | No   |
| General technical data   |  |
| number of poles  | 3  |
| number of poles / note   | N + PE   |
| type of device   | fixed mounting                                   |
| type of switch   | Molded-plastic enclosure for inch threaded joint |
| size of switch disconnecter  | 2  |
| mechanical service life (switching cycles) / typical   | 100 000  |
| electrical endurance (switching cycles)  |  |
| • at AC-23 A / at 690 V  | 6 000  |
| I <sub>2t</sub> value / with closed switch / at 690 V / for combination switch + gG fuse / maximum             | 9 kA <sup>2</sup> .s                             |
| let-through I <sub>2t</sub> value / with closed switch / at 440 V / for combination switch + gG fuse / maximum | 9 kA <sup>2</sup> .s                             |
| operating frequency / maximum  | 50 1/h   |
| Voltage  |  |
| insulation voltage / rated value   | 690 V  |
| surge voltage resistance / rated value   | 6 kV   |
| operational current / at AC / rated value  | 32 A   |
| Protection class   |  |
| protection class IP  | IP65   |
| degree of protection NEMA rating   | 1, 4X, 12  |
| protection class IP / on the front   | IP65   |
| Dissipation  |  |
| power loss [W]   |  |
| • for rated value of the current / at AC / in hot operating state / per pole                                   | 1.8 W  |
| • per conductor / typical  | 1.8 W  |
| Current  |  |
| operational current  |  |



|  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• at AC-23 A / at 400 V / rated value</li> <li>• at AC-21 / at 690 V / rated value</li> <li>• at AC-21 A / at 240 V / rated value</li> <li>• at AC-21 A / at 440 V / rated value</li> </ul>   | 22 A<br>32 A<br>32 A<br>32 A  |
| operational current / of upstream fuse / rated value   | 40 A  |
| let-through current / with closed switch   |   |
| <ul style="list-style-type: none"> <li>• at 440 V / for combination switch + gG fuse / maximum</li> <li>• at 690 V / for combination switch + gG fuse / maximum permissible</li> </ul>   | 4.5 kA<br>4.5 kA  |
| <b>Main circuit</b>  |   |
| operating power  |   |
| <ul style="list-style-type: none"> <li>• at AC-23 A / at 240 V / rated value</li> <li>• at AC-23 A / at 400 V / rated value</li> <li>• at AC-23 A / at 440 V / rated value</li> <li>• at AC-23 A / at 690 V / rated value</li> <li>• at AC-3 / at 240 V / rated value</li> <li>• at AC-3 / at 400 V / rated value</li> <li>• at AC-3 / at 690 V / rated value</li> </ul> | 6 kW<br>11.5 kW<br>11.5 kW<br>11.5 kW<br>5.5 kW<br>9.5 kW<br>9.5 kW |
| operational current / rated value  | 32 A  |
| <b>Auxiliary circuit</b>   |   |
| 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   |
| <b>Suitability</b>   |   |
| suitability for use  |   |
| <ul style="list-style-type: none"> <li>• main switch</li> <li>• switch disconnecter</li> <li>• EMERGENCY OFF switch</li> <li>• safety switch</li> <li>• maintenance/repair switch</li> </ul>   | Yes<br>Yes<br>Yes<br>Yes<br>Yes                                     |
| <b>Appearance</b>  |   |
| color / of the actuating element   | red   |
| <b>Product details</b>   |   |
| <ul style="list-style-type: none"> <li>• product function / can be locked into OFF position</li> </ul>   | Yes   |
| number of bracket locks / maximum  | 3   |
| hasp thickness / of the bracket locks / minimum  | 4 mm  |
| hasp thickness / of the bracket locks / maximum  | 8 mm  |
| product extension / optional   |   |
| <ul style="list-style-type: none"> <li>• motor drive</li> <li>• voltage trigger</li> </ul>   | No<br>No  |
| <b>Short circuit</b>   |   |
| conditional short-circuit current / with line-side fuse protection   |   |
| <ul style="list-style-type: none"> <li>• at 690 V / by gG fuse / rated value</li> </ul>  | 50 kA   |
| <b>according UL</b>  |   |
| operational current / at AC / according to UL 508/UL 60947-4-1 / rated value   | 32 A  |
| operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value   | 600 V   |
| active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value  | 20  |
| active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value  | 20  |
| short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1  | 5 kA  |

|  |  |
|--|--|
| continuous current / of upstream fuse / according to UL / rated value  | 80 A   |
| type of fuse / according to UL   | RK5  |
| <b>Number</b>  |  |
| number of connectable NC contacts / for auxiliary contacts / attachable / maximum  | 3  |
| number of connectable NO contacts / for auxiliary contacts / attachable / maximum  | 5  |
| number of connectable CO contacts / for auxiliary contacts / attachable / maximum  | 0  |
| <b>Connections</b>   |  |
| AWG number / as coded connectable conductor cross section / solid <ul style="list-style-type: none"> <li>• maximum</li> <li>• minimum</li> </ul>   | 8<br>14  |
| type of connectable conductor cross-sections / for copper conductor <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with core end processing</li> <li>• stranded</li> </ul>            | 1x (1,5...16mm <sup>2</sup> )<br>1x (1,5...10mm <sup>2</sup> )<br>1x (1,5...16mm <sup>2</sup> )  |
| type of connectable conductor cross-sections / for auxiliary contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded / with core end processing</li> <li>• stranded</li> </ul>          | lateral auxiliary switch 2x (0,75 ... 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 ... 2,5mm <sup>2</sup> )<br>lateral auxiliary switch 2x (0,75 ... 1,5mm <sup>2</sup> ), 1x 2,5mm <sup>2</sup> ; front auxiliary switch 1x 2,5mm <sup>2</sup><br>lateral auxiliary switch 2x (0,75 ... 2,5mm <sup>2</sup> ), 1x 4mm <sup>2</sup> ; front auxiliary switch 1x (0,75 ... 2,5mm <sup>2</sup> ) |
| type of electrical connection <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary contacts</li> </ul>   | box terminal<br>connection terminals   |
| <b>Requirements</b>  |  |
| design of the fuse link <ul style="list-style-type: none"> <li>• for short-circuit protection of the main circuit / required</li> <li>• for short-circuit protection of the auxiliary switch / required</li> </ul> | fuse gL/gG: 40 A<br>fuse gL/gG: 10 A   |
| <b>Mechanical Design</b>   |  |
| height   | 164 mm   |
| width  | 100 mm   |
| depth  | 118 mm   |
| fastening method   | Complete unit in enclosure   |
| fastening method <ul style="list-style-type: none"> <li>• 4-hole front mounting</li> <li>• front mounting with central attachment</li> <li>• rail mounting</li> </ul>  | No<br>Yes<br>No  |
| net weight   | 480 g  |
| <b>Environmental conditions</b>  |  |
| ambient temperature / during operation <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>  | -25 °C<br>55 °C  |
| ambient temperature / during storage / minimum   | -25 °C   |
| <b>Certificates</b>  |  |
| reference code <ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to IEC 81346-2</li> </ul>   | S<br>SF  |
| <b>General Product Approval</b>  |  |



[Miscellaneous](#)



| Declaration of Conformity   | Test Certificates   | Marine / Shipping   | other                                       |
|---|---|---|---|
| <br>EG-Konf. | <a href="#">Miscellaneous</a><br><a href="#">Special Test Certificate</a> | <a href="#">Miscellaneous</a><br><br>URS | <a href="#">Environmental Confirmations</a> |

#### 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=3LD2264-0TB53-0US2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3LD2264-0TB53-0US2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2264-0TB53-0US2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2264-0TB53-0US2)

Tender specifications

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

