

SETRON, 3LD switch disconnecter, EMERGENCY-STOP switch, 3-pole, Iu:160 A, Operational power / at AC-23 A at 400 V: 75 kW, floor mounting with door coupling, knob-operated mechanism, red/yellow, 4-hole mounting of the handle



| Model                                                                        |                 |
|------------------------------------------------------------------------------|-----------------|
| product brandname                                                            | SETRON          |
| Design of the operating mechanism                                            | selector switch |
| Type of the driving mechanism / motor drive                                  | No              |
| General technical data                                                       |                 |
| Number of poles                                                              | 3               |
| Type of device                                                               | fixed mounting  |
| Operating frequency / maximum                                                | 50 1/h          |
| Voltage                                                                      |                 |
| Insulation voltage / rated value                                             | 690 V           |
| Surge voltage resistance / rated value                                       | 8 kV            |
| Protection class                                                             |                 |
| Protection class IP / on the front                                           | IP65            |
| Dissipation                                                                  |                 |
| Power loss [W]                                                               | 36 W            |
| • for rated value of the current / at AC / in hot operating state / per pole |                 |

|                                                                                            |                      |
|--------------------------------------------------------------------------------------------|----------------------|
| <b>Electricity</b>                                                                         |                      |
| Continuous current / rated value                                                           | 160 A                |
| Short-time current resistance (I <sub>cw</sub> ) / at 690 V / limited to 1 s / rated value | 4 000 A              |
| <b>Main circuit</b>                                                                        |                      |
| <b>Operating frequency</b>                                                                 |                      |
| • initial value                                                                            | 50 Hz                |
| • Full-scale value                                                                         | 60 Hz                |
| <b>Operating power</b>                                                                     |                      |
| • at AC-23 A / at 400 V / rated value                                                      | 75 kW                |
| • at AC-23 A / at 690 V / rated value                                                      | 45 kW                |
| • at AC-3 / at 400 V / rated value                                                         | 50 kW                |
| • at AC-3 / at 690 V / rated value                                                         | 37 kW                |
| <b>Operating voltage</b>                                                                   |                      |
| • at AC / at 50/60 Hz / rated value                                                        | 690 V                |
| <b>Auxiliary circuit</b>                                                                   |                      |
| <b>Operating voltage / of auxiliary contacts / at AC / maximum</b>                         | 500 V                |
| <b>Continuous current / of the auxiliary contact / rated value</b>                         | 10 A                 |
| <b>Insulation voltage / of the auxiliary switch / rated value</b>                          | 500 V                |
| <b>Suitability</b>                                                                         |                      |
| <b>Suitability for use</b>                                                                 |                      |
| • Main switch                                                                              | Yes                  |
| • switch disconnecter                                                                      | Yes                  |
| • EMERGENCY OFF switch                                                                     | No                   |
| • safety switch                                                                            | No                   |
| • maintenance/repair switch                                                                | Yes                  |
| <b>Product details</b>                                                                     |                      |
| Product feature / interlock                                                                | Yes                  |
| Product extension / optional                                                               |                      |
| • motor drive                                                                              | No                   |
| • Voltage trigger                                                                          | No                   |
| <b>Connections</b>                                                                         |                      |
| <b>Type of electrical connection</b>                                                       |                      |
| • for auxiliary contacts                                                                   | connection terminals |
| <b>Requirements</b>                                                                        |                      |
| <b>Design of the fuse link</b>                                                             |                      |

- for short-circuit protection of the main circuit / required
- for short-circuit protection of the auxiliary switch / required

fuse gL/gG: 160 A

fuse gL/gG: 10 A

## Mechanical Design

|               |                                                                                                                                                                      |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height        | 169 mm                                                                                                                                                               |
| Width         | 112 mm                                                                                                                                                               |
| Depth         | 94 mm                                                                                                                                                                |
| Mounting type | <ul style="list-style-type: none"> <li>• front mounting with 4-hole attachment</li> <li>• front mounting with central attachment</li> <li>• rail mounting</li> </ul> |
| Net weight    | 2 746 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 |

| General Product Approval                                                                   | Declaration of Conformity                                                                       | Test Certificates                                                                                  |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <br>CCC | <br>EG-Konf. | <a href="#">Typprüfbescheinigung/Werkszeugnis</a><br><a href="#">spezielle Prüfbescheinigungen</a> |

## other

[Umweltbestätigung](#)

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3LD2318-0TK13>

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

<http://support.automation.siemens.com/WW/view/en/3LD2318-0TK13/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3LD2318-0TK13](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD2318-0TK13)



