



HAD310

**Load break switch 3P 100A**

**Technical Features**

**Electric current**

|   |       |
|---|-------|
| Rated current                             | 100 A |
| Acceptable current rating AC21            | 100 A |
| Acceptable current rating AC21 category A | 100 A |
| Acceptable current rating AC21 category B | 100 A |

**Architecture**

|                           |                     |
|---------------------------|---------------------|
| Control/operation element | Short rotary handle |
|---------------------------|---------------------|

**Electric current**

|   |       |
|---|-------|
| Acceptable current rating AC23 category A | 100 A |
|---|-------|

**Architecture**

|                 |   |
|-----------------|---|
| Number of poles | 3 |
|-----------------|---|

**Electric current**

|  |         |
|--|---------|
| Rated short-time withstand current I <sub>cs</sub> 1s IEC 60947          | 2.75 kA |
| Rated short-time withstand current I <sub>cs</sub> IEC 60947             | 2.75 kA |
| Rated conditional short-circuit current I <sub>cc</sub> with gl-gG fuses | 25 kA   |

**Connection**

|                               |                    |
|-------------------------------|--------------------|
| Cross-section rigid conductor | 70 mm <sup>2</sup> |
|-------------------------------|--------------------|

**Voltage**

|  |             |
|--|-------------|
| Rated insulation voltage U <sub>i</sub>          | 800 V       |
| Rated impulse withstand voltage U <sub>imp</sub> | 8000 V      |
| Rated operational voltage U <sub>e</sub>         | 380 - 415 V |

**Power**

|   |         |
|---|---------|
| Power loss per pole at I <sub>n</sub>       | 4.30 W  |
| Total power loss under I <sub>N</sub>       | 12.90 W |
| Rated operational power under 400 V AC AC1  | 65000 W |
| Rated operational power under 400 V AC AC23 | 45000 W |

**Installation, mounting**

|                           |            |
|---------------------------|------------|
| Nominal tightening torque | 4 - 4.4 Nm |
|---------------------------|------------|

**Equipment**

|   |    |
|---|----|
| Motor drive optional                                    | No |
| Number of auxiliary contacts as change-over contact     | 0  |
| Number of auxiliary contacts as normally closed contact | 0  |
| Number of auxiliary contacts as normally open contact   | 0  |

**Use conditions**

|                       |             |
|-----------------------|-------------|
| Operating temperature | -20 - 70 °C |
|-----------------------|-------------|

**Cover, door**

|               |     |
|---------------|-----|
| Interlockable | Yes |
|---------------|-----|

**Safety**

|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP20 |
|-------------------------------|------|

**Frequency**

|           |            |
|-----------|------------|
| Frequency | 50 - 50 Hz |
|-----------|------------|

**Connectivity**

|                    |                |
|--------------------|----------------|
| Type of connection | Screw terminal |
|--------------------|----------------|

**Functions**

|  |    |
|--|----|
| Is reversing switch                    | No |
| Version as emergency stop installation | No |

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**Functions**

|  |     |
|--|-----|
| Version as main switch                 | Yes |
| Version as maintenance/service switch  | Yes |
| Version as safety switch               | Yes |
| Version as switch disconnecter compact | Yes |

**Capacity**

|                   |      |
|-------------------|------|
| Number of modules | 4.45 |
|-------------------|------|

**Sustainability**

|                 |     |
|-----------------|-----|
| REACH-SVHC free | Yes |
| RoHS conform    | Yes |