



HAD410

### Load break switch 4P 100A

#### Technical Features

##### Electric current

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

##### Architecture

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

##### Electric current

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

##### Architecture

|                 |   |
|-----------------|---|
| Number of poles | 4 |
|-----------------|---|

##### 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>       | 17.20 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 |
|-------------------------------|------|

##### Connectivity

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

##### Functions

|                                        |     |
|----------------------------------------|-----|
| Is reversing switch                    | No  |
| Version as emergency stop installation | No  |
| Version as main switch                 | Yes |
| Version as maintenance/service switch  | Yes |
| Version as safety switch               | Yes |
| Version as switch disconnecter compact | Yes |

|                       |      |
|-----------------------|------|
| <b>Capacity</b>       |      |
| Number of modules     | 5.95 |
| <b>Sustainability</b> |      |
| REACH-SVHC free       | Yes  |
| RoHS conform          | Yes  |