



HAE416

### Load break switch visible break. 4P 160A

#### Technical Features

##### Electric current

|                                                                                             |       |
|---------------------------------------------------------------------------------------------|-------|
| Rated current                                                                               | 160 A |
| Acceptable current rating AC21                                                              | 160 A |
| Acceptable current rating AC21 category B                                                   | 160 A |
| Acceptable current rating AC22 category B                                                   | 160 A |
| Acceptable current rating AC23 category A                                                   | 125 A |
| Acceptable current rating AC23 category B                                                   | 160 A |
| Rated short-circuit making capacity I <sub>cm</sub> under 415 V AC according to IEC 60947-3 | 7 kA  |
| Rated short-time withstand current I <sub>cw</sub> 1s IEC 60947                             | 4 kA  |
| Rated short-time withstand current I <sub>cw</sub> IEC 60947                                | 4 kA  |

##### Architecture

|                 |    |
|-----------------|----|
| Type of pole    | 4P |
| Number of poles | 4  |

##### Connection

|                                  |                    |
|----------------------------------|--------------------|
| Cross-section rigid conductor    | 70 mm <sup>2</sup> |
| Cross-section flexible 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>       | 7.50 W   |
| Total power loss under I <sub>N</sub>       | 30 W     |
| Rated operational power under 400 V AC AC1  | 105000 W |
| Rated operational power under 400 V AC AC23 | 56000 W  |

##### 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 |
|-------------------------------|------|

##### Architecture

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

##### Frequency

|           |            |
|-----------|------------|
| Frequency | 50 - 60 Hz |
|-----------|------------|

##### 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>Installation, mounting</b> |                |
| Nominal tightening torque     | 4 - 4.4 Nm     |
| <b>Capacity</b>               |                |
| Number of modules             | 7.71           |
| <b>Connectivity</b>           |                |
| Type of connection            | Screw terminal |
| <b>Dimensions</b>             |                |
| Height                        | 84 mm          |
| Width                         | 135 mm         |
| Depth                         | 132 mm         |
| <b>Sustainability</b>         |                |
| REACH-SVHC free               | Yes            |
| RoHS conform                  | Yes            |

Illustrations | Drawings

