



HA457

Load break switch 4P 400A

Technical properties

Architecture

| | |
|-----------------|-----------------|
| Type of order | Long thumb-grip |
| Number of poles | 4 P |
| Type of pole | 4 P |
| Type of case | Fixed built-in |

Functions

| | |
|------------------|----|
| Reversing switch | No |
|------------------|----|

Controls and indicators

| | |
|------------------------|----|
| Motor drive integrated | No |
|------------------------|----|

Main electrical features

| | |
|------------------------------|-------------|
| Rated operational voltage Ue | 380 / 415 V |
|------------------------------|-------------|

Voltage

| | |
|---------------------------------|--------|
| Rated insulation voltage | 1000 V |
| Rated impulse withstand voltage | 8000 V |

Electric current

| | |
|--|-------|
| Rated operational current in AC21category B | 400 A |
| Acceptable current rating with AC22 category A | 400 A |
| Cut off current | 30 kA |
| Rated current | 400 A |
| Short-circuit current with gI-gG fuses | 50 kA |
| Rated short-time withstand current 1s | 9 kA |
| Thermal rated current outside of housings | 400 A |
| Rated operational current in AC21 category A | 400 A |
| Acceptable current rating with AC22 category B | 400 A |
| Rated operational current in AC23 category A | 400 A |
| Acceptable current rating with AC23 category B | 400 A |
| Conventional thermal current under enclosure at 40°C | 400 A |

Power

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|-----------------------------------|--------|
| Nominal power under 440/500, 50Hz | 140 kW |
| Nominal power under 660 V, 50 Hz | 90 kW |

| | |
|-------------------------------------|--------|
| Active power under 380/415 V, 50 Hz | 132 kW |
| Total power loss under IN | 57.6 W |
| Power loss per pole at In | 14.4 W |
| Contact rating with 400 V in AC1 | 263 kW |

Cover, door

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|---------------|-----|
| Interlockable | Yes |
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Installation, mounting

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|---------------|---------------------|
| Fixation type | Back plate mounting |
|---------------|---------------------|

Connection

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|------------------------------------|----------------------|
| Connection cross-sect. rigid cable | 1x240mm ² |
| Type of connection | Terminal |

Equipment

| | |
|---|---------------------|
| Number of auxiliary contacts as normally closed contact | 0 |
| Number of auxiliary contacts as normally open contact | 0 |
| Number of auxiliary contacts as change-over contact | 0 |
| Width available for insulation connection | 185 mm ² |
| Motor drive optional | No |

Standards

| | |
|-------------------------|-------------|
| Standard text | IEC 60947-3 |
| European directive WEEE | concerned |

Safety

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|---------------------|------|
| Protection index IP | IP00 |
|---------------------|------|

Use conditions

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