



HA454

Load break switch 4P 250A

Technical Features

Electric current

| | |
|---|----------|
| Rated current | 250 A |
| Rated short-time withstand current Icw IEC 60947 | 9 kA |
| Acceptable current rating AC21 | 250 A |
| Acceptable current rating AC21 category A | 250 A |
| Acceptable current rating AC21 category B | 250 A |
| Acceptable current rating AC22 category A | 250 A |
| Acceptable current rating AC22 category B | 250 A |
| Acceptable current rating AC23 category A | 200 A |
| Acceptable current rating AC23 category B | 200 A |
| Rated short-circuit making capacity Icm under 415 V AC according to IEC 60947-3 | 15.30 kA |
| Rated short-time withstand current Icw 1s IEC 60947 | 9 kA |

Architecture

| | |
|---------------------------|--------------------|
| Number of poles | 4 |
| Control/operation element | Long rotary handle |
| Device construction type | Fixed built-in |
| Type of pole | 4P |

Dimensions

| | |
|--------|--------|
| Height | 160 mm |
| Width | 125 mm |
| Depth | 230 mm |

Cover, door

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

Safety

| | |
|-------------------------------|------|
| Ingress Protection (IP) class | IP00 |
|-------------------------------|------|

Connection

| | |
|----------------------------------|---------------------|
| Cross-section rigid conductor | 150 mm ² |
| Cross-section flexible conductor | 150 mm ² |

Voltage

| | |
|--------------------------------------|-------------|
| Rated insulation voltage Ui | 800 V |
| Rated impulse withstand voltage Uimp | 8000 V |
| Rated operational voltage Ue | 380 - 415 V |

Power

| | |
|---|----------|
| Power loss per pole at In | 5.80 W |
| Total power loss under IN | 17.40 W |
| Rated operational power under 400 V AC AC1 | 164000 W |
| Rated operational power under 400 V AC AC23 | 112000 W |

Controls and indicators

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

Use conditions

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

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 |

Functions

| | |
|--|-----|
| Version as safety switch | Yes |
| Version as switch disconnecter compact | Yes |

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 |

Installation, mounting

| | |
|---------------------------|------------|
| Nominal tightening torque | 20 - 22 Nm |
|---------------------------|------------|

Sustainability

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