



HCE970H

Switch h1000 3P 1000A

Technical properties

Architecture

| | |
|------------------|-----------------|
| Type of order | Toggle |
| Neutral position | without neutral |
| Number of poles | 3 P |
| Type of pole | 3 P |

Functions

| | |
|------------------|--------|
| Reversing switch | No |
| Trip Unit | SWITCH |

Main electrical features

| | |
|------------------------------|-------------|
| Rated operational voltage Ue | 220 / 690 V |
| Frequency | 50/60 Hz |

Voltage

| | |
|---------------------------------|-------|
| Rated insulation voltage | 800 V |
| Rated impulse withstand voltage | 8 kV |

Electric current

| | |
|-----------------------------------|--------|
| Rated current | 1000 A |
| Rated operational current in AC21 | 1000 A |

Current correction factors

| | |
|---|---|
| Correction factor of rating current for 2 devices placed side-by-side | 1 |
| Correction factor of rating current for 3 devices placed side-by-side | 1 |
| Correction factor of rating current for 4 and 5 devices placed side-by-side | 1 |
| Correction factor of rating current for 6 devices placed side-by-side | 1 |

Power

| | |
|---------------------------------------|--------|
| Total power loss under I _N | 186 W |
| Power loss per pole at I _N | 62 W |
| Contact rating with 400 V in AC1 | 658 kW |

Tripping

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|-------------------------------|-------|
| Time of response when opening | 10 ms |
|-------------------------------|-------|

Endurance

| | |
|--|------|
| Electric endurance in number of cycles | 4500 |
|--|------|

Cover, door

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

Materials

| | |
|---------------|-------|
| Toggle colour | Black |
|---------------|-------|

Connection

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|---|----------------------|
| Connection cross-sect. flexible conductor | 2x240mm ² |
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|------------------------------------|----------------------|
| Connection cross-sect. rigid cable | 2x240mm ² |
|------------------------------------|----------------------|

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|------------|------------------|
| Connection | Front connection |
|------------|------------------|

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|--------------------|----------|
| Type of connection | Terminal |
|--------------------|----------|

Equipment

| | |
|---|---|
| Number of auxiliary contacts as normally closed contact | 0 |
|---|---|

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|---|---|
| Number of auxiliary contacts as normally open contact | 0 |
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|---|---|
| Number of auxiliary contacts as change-over contact | 0 |
|---|---|

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|----------------------|-----|
| Motor drive optional | Yes |
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Use cases

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|-----------------|---|
| Category of use | A |
|-----------------|---|

Standards

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|---------------|-------------|
| Standard text | IEC 60947-3 |
|---------------|-------------|

| | |
|-------------------------|-----------|
| European directive WEEE | concerned |
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Safety

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|---------------------|------|
| Protection index IP | IP4X |
|---------------------|------|

Use conditions

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|-----------------------|-------------|
| Operating temperature | -25...70 °C |
|-----------------------|-------------|

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|--|---|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 3 |
|--|---|

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|----------|--------|
| Altitude | 2000 m |
|----------|--------|

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|-------------------------|------------|
| Air humidity protection | 85% / 50°C |
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|-------------------------------|-------------|
| Storage/transport temperature | -35...70 °C |
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