



HCF990U

Switch h1600 3P 1600A

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 | 1600 A |
| Rated operational current in AC21 | 1600 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 | 168.9 W |
| Power loss per pole at I _N | 56.3 W |
| Contact rating with 400 V in AC1 | 1053 kW |

Tripping

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

Endurance

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

Number of mechanical operations

15000

Cover, door

Interlockable Yes

Materials

Toggle colour Black

Connection

Connection cross-sect. flexible conductor 3x240mm²

Connection cross-sect. rigid cable 3x240mm²

Connection Front connection

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

Motor drive optional Yes

Use cases

Category of use A

Standards

Standard text IEC 60947-3

European directive WEEE not concerned

Safety

Protection index IP IP4X

Use conditions

Operating temperature -25...70 °C

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

Altitude 2000 m

Air humidity protection 85% / 50°C

Storage/transport temperature -35...70 °C