



HCD630H

Switch h630 3P 630A

Product Datasheet

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

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

Voltage

| | |
|---------------------------------|--------|
| Rated insulation voltage | 800 V |
| Rated impulse withstand voltage | 8000 V |

Electric current

| | |
|---|-------|
| Rated operational current in AC21 | 630 A |
| Rated short-circuit making capacity I _{cm} under 240V AC according IEC 60947-3 | 9 kA |
| Rated short-circuit making capacity I _{cm} under 415V AC according IEC 60947-3 | 9 kA |
| Rated short-circuit making capacity I _{cm} under 690V AC according IEC 60947-3 | 9 kA |

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

| | |
|---------------------------------------|--------|
| Contact rating with 400 V in AC1 | 414 kW |
| Power loss per pole at I _n | 50 W |
| Total power loss under I _N | 150 W |

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 |
|---------------|-------|

Installation, mounting

| | |
|-------------------|------|
| Tightening torque | 22Nm |
|-------------------|------|

Connection

| | |
|---|-------------------------|
| Connection cross-sect. rigid cable | 35 / 240mm ² |
| Connection cross-sect. flexible conductor | 35 / 240mm ² |
| Connection | Front connection |
| Type of connection | Terminal |

Equipment

| | |
|----------------------|-----|
| Motor drive optional | yes |
|----------------------|-----|

Use cases

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

Standards

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

Safety

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

Use conditions

| | |
|--|--------------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 3 |
| Altitude | 2000 m |
| Storage temperature | -35 to 70 °C |
| Air humidity protection | 85% / 50°C |