



HCT251AR

Load Break Switch Disconnecter h3+ P250 4P 250A FTC

Technical properties

Architecture

| | |
|------------------|----------------|
| Type of order | Toggle |
| Neutral position | left |
| Number of poles | 4 P |
| Type of pole | 4 P |
| Type of case | Fixed built-in |

Functions

| | |
|--|--------|
| Reversing switch | No |
| Version as main switch | Yes |
| Version as emergency stop installation | Yes |
| Version as safety switch | No |
| Version as maintenance-/service switch | Yes |
| Trip Unit | SWITCH |
| Concurrently switching N-neutral | Yes |

Controls and indicators

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

Main electrical features

| | |
|------------------------------|-------------|
| Rated operational voltage Ue | 220 / 690 V |
| Type of supply voltage | AC |
| Frequency | 50/60 Hz |

Voltage

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

Electric current

| | |
|---|--------|
| Rated current | 250 A |
| Rated short-time withstand current I _{cw} | 3.6 kA |
| Rated short-time withstand current I _{cw} t=1s 660-690 V AC according IEC 60947-3 | 3.6 kA |
| Rated short-time withstand current I _{cw} t=1s 220-240 V AC according IEC 60947-3 | 3.6 kA |
| Rated short-time withstand current I _{cw} t=1s 380-415 V AC according IEC 60947-3 | 3.6 kA |
| Rated operational current in AC21 | 250 A |

Dimensions

| | |
|----------------------------|-------|
| Depth of installed product | 97 mm |
|----------------------------|-------|

| | |
|---|-------------------------|
| Height of installed product | 165 mm |
| Width of installed product | 140 mm |
| Frequency | |
| Frequency | 50 to 60 Hz |
| Power | |
| Total power loss under IN | 50.7 W |
| Power loss per pole at In | 16.9 W |
| Endurance | |
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations | 40000 |
| Cover, door | |
| Interlockable | Yes |
| Materials | |
| Toggle colour | Grey |
| Installation, mounting | |
| Tightening torque | 12Nm |
| DIN rail mounting with optional adaptor | No |
| Suitable for front mounting center | No |
| Suitable for front mounting | No |
| Suitable for ground mounting | Yes |
| Connection | |
| Connection cross-sect. flexible conductor | 35 / 150mm ² |
| Connection cross-sect. rigid cable | 35 / 185mm ² |
| Connection | Front connection |
| Type of connection | Terminal |
| Cable | |
| Cable Material | Cu / Al |
| 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 |
| Can be accessorized | Yes |
| Use cases | |
| Category of use | A |
| Use | |
| Vibrations and shocks withstand | IEC 68068-2-52 Test FC |

Standards

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

Safety

| | |
|---------------|-----|
| REACH conform | Yes |
| RoHS conform | Yes |
| Halogen free | No |

Use conditions

| | |
|--|------------------------------------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 3 |
| Altitude | 2000 m |
| Air humidity protection | 95%HR 55°C sev Kn (IEC 68-2-30/52) |

temperatur

| | |
|--|------|
| Temp.-rise limits for access. parts (toggle) according to product standard | 25 K |
| Temp.-rise limits for access. parts (not touched) according to product standard | 50 K |
| Temp.rise limits for access. parts (to be touched) according to product standard | 40 K |
| Temperature-rise limits for terminals according to the product standard | 65 K |