



HCB251Z

Switch X250 4P 250A

Technical properties

Architecture

| | |
|------------------|--------|
| Type of order | Toggle |
| Neutral position | left |
| Number of poles | 4 P |
| Type of pole | 4 P |

Functions

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

Main electrical features

| | |
|------------------------------|-------------|
| Rated operational voltage Ue | 220 / 415 V |
| Frequency | 50/60 Hz |

Voltage

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

Electric current

| | |
|-----------------------------------|-------|
| Rated current | 250 A |
| Rated operational current in AC21 | 250 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 | 44.1 W |
| Power loss per pole at I _N | 14.7 W |
| Contact rating with 400 V in AC1 | 164 kW |

Tripping

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

Endurance

| | |
|--|-------|
| Electric endurance in number of cycles | 10000 |
|--|-------|

Cover, door

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

Materials

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

Connection

| | |
|---|-------------------------|
| Connection cross-sect. flexible conductor | 35 / 150mm ² |
|---|-------------------------|

| | |
|------------------------------------|-------------------------|
| Connection cross-sect. rigid cable | 35 / 185mm ² |
|------------------------------------|-------------------------|

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

Safety

| | |
|---------------|-----|
| REACH conform | Yes |
|---------------|-----|

| | |
|--------------|-----|
| RoHS conform | Yes |
|--------------|-----|

| | |
|--------------|----|
| Halogen free | No |
|--------------|----|

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