



HMW250NR

Moulded Case Circuit Breaker h3+ P630 Energy 3P3D 250A 50kA FTC

Technical properties

Architecture

| | |
|---------------------------|-----------------|
| Type of order | Toggle |
| Neutral position | without neutral |
| Number of protected poles | 3 |
| Number of poles | 3 P |
| Type of pole | 3P3D |
| Type of case | Fixed built-in |

Functions

| | |
|--|--------|
| Complete device with protection unit | Yes |
| Version as main switch | Yes |
| Version as emergency stop installation | No |
| Version as safety switch | No |
| Version as maintenance-/service switch | Yes |
| Trip Unit | ENERGY |
| Integrated earth fault protection | No |

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 |
| With under voltage release | No |

Electric current

| | |
|--|-------|
| Rated current | 250 A |
| Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2 | 12 kA |
| Rating current 10°C according to IEC 60947 | 250 A |
| Rating current 15°C according to IEC 60947 | 250 A |
| Rating current 20°C according to IEC 60947 | 250 A |
| Rating current 25°C according to IEC 60947 | 250 A |
| Rating current 30°C according to IEC 60947 | 250 A |
| Rating current 35°C according to IEC 60947 | 250 A |

| | |
|--|------------------|
| Rating current 40°C according to IEC 60947 | 250 A |
| Rating current 45°C according to IEC 60947 | 250 A |
| Rating current 50°C according to IEC 60947 | 250 A |
| Rating current 55°C according to IEC 60947 | 250 A |
| Rating current 60°C according to IEC 60947 | 250 A |
| Rating current 65°C according to IEC 60947 | 250 A |
| Rating current 70°C according to IEC 60947 | 250 A |
| Rated service breaking capacity Ics under 660V AC according IEC 60947-2 | 12 kA |
| Breaking capacity on 1 pole for IT 230V NF 60947-2 | 10 kA |
| Breaking capacity on 1 pole for IT 400V NF 60947-2 | 10 kA |
| Breaking capacity on 1 pole for IT 415V NF 60947-2 | 10 kA |
| Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 | 85 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 | 85 kA |
| Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 | 50 kA |
| Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 | 50 kA |
| Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 | 85 kA |
| Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 | 50 kA |
| Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 | 12 kA |
| Dimensions | |
| Depth of installed product | 150 mm |
| Height of installed product | 260 mm |
| Width of installed product | 140 mm |
| Frequency | |
| Frequency | 50 to 60 Hz |
| Power | |
| Total power loss under IN | 36.8 W |
| Power loss per pole at In | 12.3 W |
| Tripping | |
| Time of response when opening | 10 ms |
| Installation, mounting | |
| Tightening torque | 18Nm |
| DIN rail mounting with optional adaptor | No |
| Suitable for front mounting | No |
| Suitable for ground mounting | Yes |
| Connection | |
| Connection | Front connection |

Cable

| | |
|----------------|----|
| Cable Material | Cu |
|----------------|----|

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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| Can be accessorized | Yes |
|---------------------|-----|

Use cases

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|-----------------|---|
| Category of use | B |
|-----------------|---|

Standards

| | |
|---------------|-------------|
| Standard text | IEC 60947-2 |
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Safety

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

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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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