



HEW251JR

**Moulded Case Circuit Breaker h3+ P630 LSI 4P4D N0-50-100% 250A 70kA FTC**

**Technical characteristics**

**Architecture**

|                           |                  |
|---------------------------|------------------|
| Type of order             | Toggle           |
| Neutral position          | left             |
| Number of protected poles | 4                |
| Number of poles           | 4 P              |
| Type of pole              | 4P4D N:0/50/100% |
| Fixing mode               | fixing plate     |
| 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                              | LSI |
| Integrated earth fault protection      | No  |
| 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  |
| 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 | 100 kA      |
| Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 | 100 kA      |
| Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 | 70 kA       |
| Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 | 70 kA       |
| Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 | 100 kA      |
| Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 | 70 kA       |
| Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2 | 12 kA       |
| <b>Dimensions</b>  |             |
| Depth of installed product   | 150 mm      |
| Height of installed product  | 260 mm      |
| Width of installed product   | 185 mm      |
| <b>Frequency</b>   |             |
| Frequency  | 50 to 60 Hz |
| <b>Power</b>   |             |
| Power loss per pole at 0.63*In   | 4.9 W       |
| Power loss per pole at 0.8*In  | 7.8 W       |
| Total power loss at 0.63*In  | 14.7 W      |
| Total power loss at 0.8*In   | 23.5 W      |
| Total power loss under IN  | 36.8 W      |
| Power loss per pole at In  | 12.3 W      |
| <b>Tripping</b>  |             |
| Time of response when opening  | 10 ms       |
| <b>Installation, mounting</b>  |             |
| Tightening torque  | 18Nm        |

Subject to technical modifications

|  |                  |
|--|------------------|
| DIN rail mounting with optional adaptor                  | No               |
| Suitable for front mounting                              | No               |
| Suitable for ground mounting                             | Yes              |
| <b>Connection</b>  |                  |
| Connection   | Front connection |
| Type of connection                                       | Terminal         |
| <b>Cable</b>   |                  |
| Cable Material   | Cu               |
| <b>Equipment</b>   |                  |
| 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              |
| <b>Use cases</b>   |                  |
| Category of use  | B                |
| <b>Standards</b>   |                  |
| Standard text  | IEC 60947-2      |
| European directive WEEE                                  | concerned        |
| <b>Safety</b>  |                  |
| Protection index IP                                      | IP4X             |
| REACH conform  | No               |
| RoHS conform   | Yes              |
| Halogen free   | No               |
| <b>Use conditions</b>                                    |                  |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 3                |
| Altitude   | 2000 m           |
| <b>temperatur</b>  |                  |
| Temperature of calibration                               | 50 °C            |