



HHJ320DR

**Moulded Case Circuit Breaker h3 x630 TM ADJ 3P3D 320A 25kA FTC**

**Technical characteristics**

**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                              | TM A/A |
| Integrated earth fault protection      | No     |

**Controls and indicators**

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

**Main electrical features**

|                              |             |
|------------------------------|-------------|
| Rated operational voltage Ue | 220 / 415 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                              | 320 A          |
| Thermal protection nob setting xIN         | 0.63 / 0.8 / 1 |
| Rating current 10°C according to IEC 60947 | 380.7 A        |
| Rating current 15°C according to IEC 60947 | 373.6 A        |
| Rating current 20°C according to IEC 60947 | 366.5 A        |
| Rating current 25°C according to IEC 60947 | 359.1 A        |
| Rating current 30°C according to IEC 60947 | 351.7 A        |
| Rating current 35°C according to IEC 60947 | 344 A          |

|  |                   |
|--|-------------------|
| Rating current 40°C according to IEC 60947                                   | 336.2 A           |
| Rating current 45°C according to IEC 60947                                   | 328.2 A           |
| Rating current 50°C according to IEC 60947                                   | 320 A             |
| Rating current 55°C according to IEC 60947                                   | 311.6 A           |
| Rating current 60°C according to IEC 60947                                   | 302.9 A           |
| Rating current 65°C according to IEC 60947                                   | 294 A             |
| Rating current 70°C according to IEC 60947                                   | 284.8 A           |
| 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 | 35 kA             |
| Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 | 35 kA             |
| Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 | 25 kA             |
| Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 | 25 kA             |
| Range of the thermal adjustment  | 225 / 250 / 320 A |
| Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 | 35 kA             |
| Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 | 25 kA             |
| <b>Dimensions</b>  |                   |
| Depth of installed product   | 150 mm            |
| Height of installed product  | 260 mm            |
| Width of installed product   | 140 mm            |
| <b>Frequency</b>   |                   |
| Frequency  | 50 to 60 Hz       |
| <b>Power</b>   |                   |
| Power loss per pole at 0.63*In   | 9.9 W             |
| Power loss per pole at 0.8*In  | 16 W              |
| Total power loss at 0.63*In  | 29.8 W            |
| Total power loss at 0.8*In   | 48 W              |
| Total power loss under IN  | 75 W              |
| Power loss per pole at In  | 25 W              |
| <b>Tripping</b>  |                   |
| Time of response when opening  | 10 ms             |
| <b>Installation, mounting</b>  |                   |
| Tightening torque  | 18Nm              |
| DIN rail mounting with optional adaptor                                      | No                |
| Suitable for front mounting  | No                |
| Suitable for ground mounting   | Yes               |
| <b>Connection</b>  |                   |

Subject to technical modifications

|  |   |
|--|---|
| Connection   | Front connection                          |
| Type of connection                                       | Terminal                                  |
| <b>Protection</b>  |   |
| Instantaneous protection (Ii): type                      | fixed                                     |
| <b>Cable</b>   |   |
| Cable Material   | Cu  |
| <b>Settings</b>  |   |
| Range of the magnetic adjustment                         | 1600 / 1920 / 2240 / 2560 / 2880 / 3200 A |
| Magnetic protection nob setting xIN                      | 5 / 6 / 7 / 8 / 9 / 10                    |
| <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  | A   |
| <b>Standards</b>   |   |
| Standard text  | IEC 60947-2                               |
| <b>Safety</b>  |   |
| REACH conform  | Yes                                       |
| 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                                     |