



HMW321DR

### Moulded Case Circuit Breaker h3+ P630 TM ADJ 4P4D 320A 50kA FTC

#### Technical Features

##### Electric current

|                                                                                    |          |
|------------------------------------------------------------------------------------|----------|
| Rated current $I_N$                                                                | 320 A    |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 400 V AC IEC 60947-2 | 50 kA    |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 240 V AC IEC 60947-2 | 85 kA    |
| Rated service breaking capacity $I_{cs}$ under 230 V AC according to IEC 60947-2   | 85 kA    |
| Rated service breaking capacity $I_{cs}$ under 400 V AC according to IEC 60947-2   | 50 kA    |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 660 V AC IEC 60947-2 | 12 kA    |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 690 V AC IEC 60947-2 | 12 kA    |
| Rated current 10°C according to IEC 60947                                          | 380.70 A |
| Rated current 15°C according to IEC 60947                                          | 373.60 A |
| Rated current 20°C according to IEC 60947                                          | 366.50 A |
| Rated current 25°C according to IEC 60947                                          | 359.10 A |
| Rated current 30°C according to IEC 60947                                          | 351.70 A |
| Rated current at 35°C according to IEC 60947                                       | 344 A    |
| Rated current at 40°C according to IEC 60947                                       | 336.20 A |
| Rated current 45°C according to IEC 60947                                          | 328.20 A |
| Rated current 50°C according to IEC 60947                                          | 320 A    |
| Rated current 55°C according to IEC 60947                                          | 311.60 A |
| Rated current at 60°C according to IEC 60947                                       | 302.90 A |
| Rated current 65°C according to IEC 60947                                          | 294 A    |
| Rated current 70°C according to IEC 60947                                          | 284.80 A |

##### Architecture

|                           |                |
|---------------------------|----------------|
| Number of poles           | 4              |
| Control/operation element | Toggle         |
| Device construction type  | Fixed built-in |
| Neutral position          | Left           |

##### Tripping

|                            |       |
|----------------------------|-------|
| Response time when opening | 10 ms |
|----------------------------|-------|

##### Frequency

|           |            |
|-----------|------------|
| Frequency | 50 - 60 Hz |
|-----------|------------|

##### Voltage

|                                           |             |
|-------------------------------------------|-------------|
| Rated impulse withstand voltage $U_{imp}$ | 8000 V      |
| Rated insulation voltage $U_i$            | 800 V       |
| Rated operational voltage $U_e$           | 220 - 690 V |

##### Functions

|           |        |
|-----------|--------|
| Trip unit | TM A/A |
|-----------|--------|

##### Power

|                            |      |
|----------------------------|------|
| Power dissipation at $I_N$ | 75 W |
|----------------------------|------|

##### Safety

|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP4X |
|-------------------------------|------|

##### Settings

|                                              |                  |
|----------------------------------------------|------------------|
| Thermal protection knob setting $\times I_N$ | 0.63<br>0.8<br>1 |
|----------------------------------------------|------------------|

##### Cable

|                |        |
|----------------|--------|
| Cable material | Copper |
|----------------|--------|

##### Compatibility

|                                 |     |
|---------------------------------|-----|
| Compatible with RDC AOB         | Yes |
| Suitable for DIN Rail           | No  |
| Suitable for distribution board | Yes |

**Dimensions**

|                                                         |              |
|---------------------------------------------------------|--------------|
| Dimensions                                              | 260 x 185 mm |
| Height                                                  | 260 mm       |
| Width                                                   | 185 mm       |
| Depth                                                   | 150 mm       |
| Downstream busbar: width, height, diameter screw (max.) | 10 mm        |
|                                                         | 12 mm        |
|                                                         | 32 mm        |
| Top stream busbar: width, height, diameter screw (max.) | 10 mm        |
|                                                         | 12 mm        |
|                                                         | 32 mm        |

**Installation, mounting**

|                                         |            |
|-----------------------------------------|------------|
| Mounting-/Connection Position           | Front      |
| Nominal tightening torque               | 18 - 18 Nm |
| Nominal tightening torque down terminal | 18 - 18 Nm |
| Nominal tightening torque top terminal  | 18 - 18 Nm |

**Sustainability**

|                 |     |
|-----------------|-----|
| REACH-SVHC free | Yes |
| RoHS conform    | Yes |