



HNA040U

### Moulded Case Circuit Breaker h3 x160 TM ADJ 3P3D 40A 40kA CTC

#### Technical Features

##### Electric current

|                                                                                    |       |
|------------------------------------------------------------------------------------|-------|
| Rated current $I_N$                                                                | 40 A  |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 400 V AC IEC 60947-2 | 40 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   | 40 kA |

##### Architecture

|                 |   |
|-----------------|---|
| Number of poles | 3 |
|-----------------|---|

##### Electric current

|                                                                                  |       |
|----------------------------------------------------------------------------------|-------|
| Rated service breaking capacity $I_{cs}$ under 400 V AC according to IEC 60947-2 | 20 kA |
|----------------------------------------------------------------------------------|-------|

##### Frequency

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

##### Voltage

|                                           |             |
|-------------------------------------------|-------------|
| Rated impulse withstand voltage $U_{imp}$ | 8000 V      |
| Rated insulation voltage $U_i$            | 690 V       |
| Rated operational voltage $U_e$           | 220 - 415 V |

##### Functions

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

##### Power

|                            |      |
|----------------------------|------|
| Power dissipation at $I_N$ | 11 W |
|----------------------------|------|

##### Endurance

|                                        |       |
|----------------------------------------|-------|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations        | 20000 |

##### Safety

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

##### Connection

|                                  |                        |
|----------------------------------|------------------------|
| Cross-section flexible conductor | 4 - 70 mm <sup>2</sup> |
| Cross-section rigid conductor    | 4 - 95 mm <sup>2</sup> |

##### Connectivity

|                    |                |
|--------------------|----------------|
| Type of connection | Screw terminal |
|--------------------|----------------|

##### Settings

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

##### Dimensions

|        |        |
|--------|--------|
| Height | 130 mm |
| Width  | 75 mm  |
| Depth  | 68 mm  |

##### Sustainability

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