



HNA080U

### Moulded Case Circuit Breaker h3 x160 TM ADJ 3P3D 80A 40kA CTC

#### Technical Features

##### Electric current

|                                                                                           |       |
|-------------------------------------------------------------------------------------------|-------|
| Rated current                                                                             | 80 A  |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2 | 40 kA |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2 | 85 kA |
| Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2   | 40 kA |

##### Architecture

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

##### Electric current

|                                                                                         |       |
|-----------------------------------------------------------------------------------------|-------|
| Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2 | 20 kA |
|-----------------------------------------------------------------------------------------|-------|

##### Frequency

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

##### Voltage

|                                                  |             |
|--------------------------------------------------|-------------|
| Rated impulse withstand voltage U <sub>imp</sub> | 8000 V      |
| Rated insulation voltage U <sub>i</sub>          | 690 V       |
| Rated operational voltage U <sub>e</sub>         | 220 - 415 V |

##### Functions

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

##### Power

|                                       |         |
|---------------------------------------|---------|
| Total power loss under I <sub>N</sub> | 32.10 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> |

##### Installation, mounting

|                               |       |
|-------------------------------|-------|
| Mounting-/Connection Position | Front |
|-------------------------------|-------|

##### Connectivity

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

##### Settings

|                                                 |                  |
|-------------------------------------------------|------------------|
| Thermal protection knob setting xI <sub>N</sub> | 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 |