



HNA040U

### Moulded Case Circuit Breaker X160 3P 40kA 40A

#### Technical Features

##### Electric current

|                                                                                           |       |
|-------------------------------------------------------------------------------------------|-------|
| Rated current                                                                             | 40 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 ultimate short-circuit breaking capacity I <sub>cu</sub> under 690 V AC IEC 60947-2 | 6 kA  |

##### Architecture

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

##### 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> | 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> |

##### Installation, mounting

|                               |          |
|-------------------------------|----------|
| Nominal tightening torque     | 6 - 6 Nm |
| 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 |
| Adjustment range short-term delayed short-circuit release | 0 - 0 A          |