



HNA161H

Moulded Case Circuit Breaker X160 3P 40kA 160A I mag 1600

Technical Features

Electric current

| | |
|---|-------|
| Rated current | 160 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 |

Architecture

| | |
|---------------------------|----------------|
| Number of poles | 3 |
| Control/operation element | Toggle |
| Device construction type | Fixed built-in |

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 | 690 V |
| Rated operational voltage U _e | 220 - 415 V |

Power

| | |
|---------------------------------------|---------|
| Total power loss under I _N | 30.80 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 ² |
| Cross-section rigid conductor | 4 - 95 mm ² |

Installation, mounting

| | |
|-------------------------------|----------|
| Nominal tightening torque | 6 - 6 Nm |
| Mounting-/Connection Position | Front |

Connectivity

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

Settings

| | |
|---|---------|
| Thermal protection knob setting xI _N | 0 |
| | 0 |
| Adjustment range short-term delayed short-circuit release | 0 - 0 A |

Compatibility

| | |
|-----------------------|-----|
| Suitable for DIN Rail | Yes |
|-----------------------|-----|

Main electrical attributes

| | |
|-------------------------------|----------|
| Magnetic protection trip time | 0 - 0 ms |
|-------------------------------|----------|