



HNA161H

Moulded Case Circuit Breaker h3 x160 MAG 3P3D 32A 40kA CTC

Technical Features

Electric current

| | |
|---|-------|
| Rated current | 32 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 |
| Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2 | 20 kA |

Architecture

| | |
|---------------------------|-----------------|
| Number of poles | 3 |
| Control/operation element | Toggle |
| Device construction type | Fixed built-in |
| Neutral position | Without neutral |

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 |

Functions

| | |
|-----------|-----------|
| Trip unit | MAG (ICB) |
|-----------|-----------|

Power

| | |
|---------------------------------------|-----|
| Total power loss under I _N | 6 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 |
|--------------------|----------------|

Dimensions

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

Compatibility

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

Installation, mounting

| | |
|---|----------|
| Nominal tightening torque down terminal | 6 - 6 Nm |
| Nominal tightening torque top terminal | 6 - 6 Nm |

Main electrical attributes

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

Sustainability

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