



HNA021Z

Moulded Case Circuit Breaker h3 x160 TM FIX 4P4D 20A 40kA CTC

Technical Features

Electric current

| | |
|---|---------|
| Rated current | 20 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 |
| Rated current 10°C according to IEC 60947 | 24,90 A |
| Rated current 15°C according to IEC 60947 | 24,40 A |
| Rated current 20°C according to IEC 60947 | 23,80 A |
| Rated current 25°C according to IEC 60947 | 23,20 A |
| Rated current 30°C according to IEC 60947 | 22,60 A |
| Rated current at 35°C according to IEC 60947 | 22 A |
| Rated current at 40°C according to IEC 60947 | 21,30 A |
| Rated current 45°C according to IEC 60947 | 20,60 A |
| Rated current 50°C according to IEC 60947 | 20 A |
| Rated current 55°C according to IEC 60947 | 19,20 A |
| Rated current at 60°C according to IEC 60947 | 18,50 A |
| Rated current 65°C according to IEC 60947 | 17,70 A |
| Rated current 70°C according to IEC 60947 | 16,90 A |

Architecture

| | |
|-----------------|---|
| Number of poles | 4 |
|-----------------|---|

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 | TM F/F |
|-----------|--------|

Power

| | |
|---------------------------------------|--------|
| Total power loss under I _N | 8,70 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 |

Connectivity

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

Settings

| | |
|---|---|
| Thermal protection knob setting xI _N | 1 |
| | 1 |

| | | |
|-----------------------------------|--|----------|
| Dimensions | | |
| Height | | 130 mm |
| Width | | 100 mm |
| Depth | | 68 mm |
| Compatibility | | |
| Suitable for DIN Rail | | No |
| Main electrical attributes | | |
| Magnetic protection trip time | | 0 - 0 ms |
| Sustainability | | |
| REACH-SVHC free | | Yes |
| RoHS conform | | Yes |