



HMS161DR

Moulded Case Circuit Breaker h3+ P160 TM ADJ 4P4D N0-100% 160A 50kA FTC

Technical Features

Electric current

| | |
|---|----------|
| Rated current | 160 A |
| Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2 | 50 kA |
| Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2 | 65 kA |
| Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2 | 65 kA |
| Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2 | 50 kA |
| Rated current 10°C according to IEC 60947 | 192.10 A |
| Rated current 15°C according to IEC 60947 | 188.40 A |
| Rated current 20°C according to IEC 60947 | 184.60 A |
| Rated current 25°C according to IEC 60947 | 180.70 A |
| Rated current 30°C according to IEC 60947 | 176.80 A |
| Rated current at 35°C according to IEC 60947 | 172.70 A |
| Rated current at 40°C according to IEC 60947 | 168.60 A |
| Rated current 45°C according to IEC 60947 | 164.40 A |
| Rated current 50°C according to IEC 60947 | 160 A |
| Rated current 55°C according to IEC 60947 | 155.50 A |
| Rated current at 60°C according to IEC 60947 | 150.90 A |
| Rated current 65°C according to IEC 60947 | 146.20 A |
| Rated current 70°C according to IEC 60947 | 141.20 A |

Architecture

| | |
|---------------------------|----------------|
| Number of poles | 4 |
| Control/operation element | Toggle |
| Device construction type | Fixed built-in |
| Neutral position | Left |

Frequency

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

Voltage

| | |
|--|-------------|
| Rated impulse withstand voltage U _{imp} | 8000 V |
| Rated insulation voltage U _i | 800 V |
| Rated operational voltage U _e | 220 - 690 V |

Functions

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

Power

| | |
|---------------------------------------|---------|
| Total power loss under I _N | 42.30 W |
|---------------------------------------|---------|

Endurance

| | |
|--|-------|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations | 40000 |

Safety

| | |
|-------------------------------|------|
| Ingress Protection (IP) class | IP4X |
|-------------------------------|------|

Connection

| | |
|----------------------------------|------------------------|
| Cross-section flexible conductor | 6 - 70 mm ² |
| Cross-section rigid conductor | 6 - 95 mm ² |

Cover, door

| | |
|---------------|-----|
| Interlockable | Yes |
|---------------|-----|

Settings

| | |
|---|------------------|
| Thermal protection knob setting xI _N | 0.63 0.8 1 |
|---|------------------|

| | |
|---|------------------------|
| Cable | |
| Cable material | Copper Aluminium |
| Compatibility | |
| Compatible with RDC AOB | No |
| Suitable for DIN Rail | No |
| Suitable for distribution board | Yes |
| Dimensions | |
| Dimensions | 130 x 120 mm |
| Height | 130 mm |
| Width | 120 mm |
| Depth | 97 mm |
| Installation, mounting | |
| Mounting-/Connection Position | Front |
| Nominal tightening torque | 6 - 6 Nm |
| Electrical protection | |
| Instantaneous protection (li): dial setting coefficient | 6 7 8 9 10 |
| Sustainability | |
| REACH-SVHC free | Yes |
| RoHS conform | Yes |