



HMS063BC

**Moulded Case Circuit Breaker h3+ P160 MAG 3P3D 63A 50kA CTC**

**Technical properties**

**Architecture**

Type of order	Toggle
Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3P3D
Type of case	Fixed built-in

**Functions**

Complete device with protection unit	Yes
Reversing switch	No
Version as main switch	Yes
Version as emergency stop installation	No
Version as safety switch	No
Version as maintenance-/service switch	Yes
Trip Unit	MAG (ICB)
Integrated earth fault protection	No

**Controls and indicators**

Motor drive integrated	No
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**Main electrical features**

Rated operational voltage Ue	220 / 690 V
Type of supply voltage	AC
Frequency	50/60 Hz

**Voltage**

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
With under voltage release	No

**Electric current**

Rated current	63 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	6 kA
Rated service breaking capacity Ics under 660V AC according IEC 60947-2	6 kA
Breaking capacity on 1 pole for IT 230V NF 60947-2	6 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	6 kA

Breaking capacity on 1 pole for IT 415V NF 60947-2	6 kA
Breaking capacity on 1 pole for IT 690V NF 60947-2	2.5 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 230V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 415V AC IEC 60947-2	50 kA
Rated service breaking capacity I <sub>cs</sub> under 110-138V AC according IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 220V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 380V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 660V AC IEC 60947-2	6 kA

### Dimensions

Depth of installed product	97 mm
Height of installed product	130 mm
Width of installed product	90 mm

### Frequency

Frequency	50 to 60 Hz
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### Power

Total power loss under I <sub>N</sub>	10.5 W
Power loss per pole at I <sub>N</sub>	3.5 W

### Tripping

Short-time delayed tripping	No
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### Endurance

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

### Cover, door

Interlockable	Yes
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### Installation, mounting

Tightening torque	6Nm
DIN rail mounting with optional adaptor	Yes
Suitable for front mounting center	No
Suitable for front mounting	No
Suitable for ground mounting	Yes

### Connection

Connection cross-sect. flexible conductor	6 / 70mm <sup>2</sup>
Connection cross-sect. rigid cable	6 / 95mm <sup>2</sup>
Connection	Front connection

**Protection**

Instantaneous protection (li): type	fixed
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**Cable**

Cable Material	Cu
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**Settings**

Range of the magnetic adjustment	378 / 504 / 630 / 756 A
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Magnetic protection nob setting xIN	6 / 8 / 10 / 12
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**Equipment**

Number of auxiliary contacts as normally closed contact	0
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Number of auxiliary contacts as normally open contact	0
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Number of auxiliary contacts as change-over contact	0
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Motor drive optional	No
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Can be accessorized	Yes
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**Use cases**

Category of use	A
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**Use**

Vibrations and shocks withstand	IEC 68068-2-52 Test FC
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**Standards**

Standard text	IEC 60947-2
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**Safety**

REACH conform	Yes
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RoHS conform	Yes
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Halogen free	No
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**Use conditions**

Degree of pollution according to IEC 60664 / IEC 60947-2	3
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Altitude	2000 m
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Air humidity protection	95%HR 55°C sev Kn (IEC 68-2-30/52)
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