



HMS125BC

Moulded Case Circuit Breaker h3+ P160 MAG 3P3D 125A 50kA CTC

Technical properties

Architecture

Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Fixing mode	fixing plate
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	125 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 Icu under 230V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	50 kA
Rated service breaking capacity Ics under 110-138V AC according IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	65 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu 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 IN	32.1 W
Power loss per pole at In	10.7 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. rigid cable	6 / 95mm²
Type of connection	with screw

Protection

Instantaneous protection (Ii): type	fixed
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Subject to technical modifications

Cable

Cable Material

Cu

Settings

Range of the magnetic adjustment

750 / 1000 / 1250 / 1500 A

Magnetic protection nob setting xIN

6 / 8 / 10 / 12

Equipment

Number of auxiliary contacts as normally closed contact

0

Number of auxiliary contacts as normally open contact

0

Number of auxiliary contacts as change-over contact

0

Motor drive optional

No

Can be accessorized

Yes

Use

Vibrations and shocks withstand

IEC 68068-2-52 Test FC

Standards

European directive WEEE

concerned

Safety

REACH conform

Yes

RoHS conform

Yes

Halogen free

No

Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2

3

Altitude

2000 m