HNJ320HR

Moulded Case Circuit Breaker h3 x630 LSnI Fixed 3P3D 320A 40kA FTC

Technical characteristics

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
Version as main switch	Yes
Version as emergency stop installation	No
Version as safety switch	No
Version as maintenance-/service switch	Yes
Trip Unit	LSNI
With integrated earth leakage fault protection	No

Controls and indicators

Motor drive integrated	No

Main electrical features

Rated operational voltage Ue	220 / 415 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	320 A
Rating current 10°C according to IEC 60947	320 A
Rating current 15°C according to IEC 60947	320 A
Rating current 20°C according to IEC 60947	320 A
Rating current 25°C according to IEC 60947	320 A
Rating current 30°C according to IEC 60947	320 A
Rating current 35°C according to IEC 60947	320 A
Rating current 40°C according to IEC 60947	320 A

Rating current 45°C according to IEC 60947	320 A
Rating current 50°C according to IEC 60947	320 A
Rating current 55°C according to IEC 60947	320 A
Rating current 60°C according to IEC 60947	320 A
Rating current 65°C according to IEC 60947	320 A
Rating current 70°C according to IEC 60947	320 A
Breaking capacity on 1 pole for IT 230V NF 60947-2	10 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	10 kA
Breaking capacity on 1 pole for IT 415V NF 60947-2	10 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	40 kA

Dimensions

Depth of installed product	150 mm
Height of installed product	260 mm
Width of installed product	140 mm

Frequency

Frequency	50 to 60 Hz

Power

Power loss per pole at 0.8*In	12.3 W
Total power loss at 0.8*In	36.9 W
Total power loss under IN	56.6 W
Power loss per pole at In	19.2 W

Tripping

Time of response when opening	10 ms

Installation, mounting

Tightening torque	18Nm
DIN rail mounting with optional adaptator	No
Suitable for front mounting	No
Suitable for ground mounting	Yes

Connection

Connection	Front connection
Type of connection	Terminal

Cable

Cable Material	Cu

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	Yes
Can be accessorized	Yes

Use cases

Category of use	B

Standards

Standard text	IEC 60947-2

Safety

REACH conform	No

Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m

temperatur

Temperature of calibration	50 °C