



HMW630JR

Moulded Case Circuit Breaker h3+ P630 LSI 3P3D 630A 50kA FTC

Technical characteristics

Architecture

Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
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	LSI
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	630 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	12 kA
Rating current 10°C according to IEC 60947	630 A
Rating current 15°C according to IEC 60947	630 A
Rating current 20°C according to IEC 60947	630 A
Rating current 25°C according to IEC 60947	630 A
Rating current 30°C according to IEC 60947	630 A
Rating current 35°C according to IEC 60947	630 A
Rating current 40°C according to IEC 60947	630 A
Rating current 45°C according to IEC 60947	630 A

Rating current 50°C according to IEC 60947	630 A
Rating current 55°C according to IEC 60947	630 A
Rating current 60°C according to IEC 60947	622 A
Rating current 65°C according to IEC 60947	570 A
Rating current 70°C according to IEC 60947	510 A
Rated service breaking capacity Ics under 660V AC according IEC 60947-2	12 kA
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	85 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	85 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 ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	85 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	12 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
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Power

Power loss per pole at 0.63*In	25.4 W
Power loss per pole at 0.8*In	40.6 W
Total power loss at 0.63*In	76.2 W
Total power loss at 0.8*In	121.9 W
Total power loss under IN	190.5 W
Power loss per pole at In	63.5 W

Tripping

Time of response when opening	10 ms
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Installation, mounting

DIN rail mounting with optional adaptor	No
Suitable for front mounting	No
Suitable for ground mounting	Yes

Connection

Cable

Cable Material	Cu / Al
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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	A
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Standards

Standard text	IEC 60947-2
European directive WEEE	concerned

Use conditions

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

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Temperature of calibration	50 °C
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