



HNW631NR

Moulded Case Circuit Breaker h3+ P630 Energy 4P4D N0-50-100% 630A 40kA FTC

Technical Features

Electric current

Rated current	630 A
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Architecture

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

Electric current

Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity Icu under 415 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2	7 kA
Rated service breaking capacity Ics under 220 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity Ics under 240 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity Ics under 380 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity Ics under 415 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity Ics under 690 V AC according to IEC 60947-2	7 kA
Rated current 10°C according to IEC 60947	630 A
Rated current 15°C according to IEC 60947	630 A
Rated current 20°C according to IEC 60947	630 A
Rated current 25°C according to IEC 60947	630 A
Rated current 30°C according to IEC 60947	630 A
Rated current at 35°C according to IEC 60947	630 A
Rated current at 40°C according to IEC 60947	630 A
Rated current 45°C according to IEC 60947	630 A
Rated current 50°C according to IEC 60947	630 A
Rated current 55°C according to IEC 60947	630 A
Rated current at 60°C according to IEC 60947	623 A
Rated current 65°C according to IEC 60947	560 A
Rated current 70°C according to IEC 60947	497 A

Frequency

Frequency	50 - 60 Hz
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Voltage

Rated impulse withstand voltage Uimp	8000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V

Power

Total power loss under IN	119 W
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Functions

Trip unit	ENERGY
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Safety

Ingress Protection (IP) class	IP4X
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Installation, mounting

Nominal tightening torque	18 - 18 Nm
Mounting-/Connection Position	Front

Cable

Cable material	Copper Aluminium
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Compatibility

Compatible with RDC AOB	Yes
Suitable for DIN Rail	No
Suitable for distribution board	Yes

Dimensions

Height	260 mm
Width	185 mm
Depth	150 mm

Settings

Adjustment range short-term delayed short-circuit release	341.25 - 6300.0 A
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Electrical protection

Long-time overload protection (ltd): delay (tr)	0.5 s
	1.5 s
	2.5 s
	5 s
	7.5 s
	9 s
	10 s
	12 s
	14 s
	16 s
Short-time protection (std): current (Isd)	1.5
	2
	2.5
	3
	3.5
	4
	4.5
	5
	5.5
	6
	6.5
	7
	7.5
	8
	8.5
	9
	9.5
	10
Short-time protection (std): delay (tsd)	50 ms
	100 ms
	200 ms
	300 ms
	400 ms
Instantaneous protection (li): dial setting coefficient	3
	3.5
	4
	4.5
	5
	5.5
	6
	6.5
	7
	7.5
	8
	8.5
	9
	9.5
	10
	10.5
	11

Sustainability

RoHS conform	Yes
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