



HNW630NR

Moulded Case Circuit Breaker h3+ P630 Energy 3P3D 630A 40kA FTC

Technical Features

Electric current

Rated current	630 A
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Architecture

Number of poles	3
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

Electric current

Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 415 V AC IEC 60947-2	40 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 690 V AC IEC 60947-2	7 kA
Rated service breaking capacity I _{cs} under 220 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity I _{cs} under 240 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity I _{cs} under 380 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I _{cs} under 415 V AC according to IEC 60947-2	40 kA
Rated service breaking capacity I _{cs} 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 U _{imp}	8000 V
Rated insulation voltage U _i	800 V
Rated operational voltage U _e	220 - 690 V

Power

Total power loss under I _N	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	140 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		
Short-time protection (std): delay (tsd)	70 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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