



HNW630NR

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

Technical properties

Electric current

Rated current	630 A
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

Architecture

Number of poles	3
Control/operation element	Toggle

Device construction type		Fixed built-in
Neutral position		Without neutral
Frequency		
Frequency		50 - 60 Hz
Voltage		
Rated impulse withstand voltage Uimp		8,000 V
Rated insulation voltage Ui		800 V
Rated operational voltage Ue		220 - 690 V
Functions		
Trip unit		ENERGY
Power		
Total power loss under IN		131.6 W
Installation, mounting		
Nominal tightening torque		18 - 18 Nm
Mounting-/Connection Position		Front
Safety		
Ingress Protection (IP) class		IP4X
Cable		
Cable material		Copper, Aluminium
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 - 6,300.0 A
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	