



HPW631NR

Moulded Case Circuit Breaker h3+ P630 Energy 4P4D N0-50-100% 630A 110kA FTC

Technical properties

Electric current

Rated current	630 A
Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2	110 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	125 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 415 V AC IEC 60947-2	110 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 690 V AC IEC 60947-2	12 kA
Rated service breaking capacity I _{cs} under 220 V AC according to IEC 60947-2	125 kA
Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	125 kA
Rated service breaking capacity I _{cs} under 240 V AC according to IEC 60947-2	125 kA
Rated service breaking capacity I _{cs} under 380 V AC according to IEC 60947-2	110 kA
Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2	110 kA
Rated service breaking capacity I _{cs} under 415 V AC according to IEC 60947-2	110 kA
Rated service breaking capacity I _{cs} under 690 V AC according to IEC 60947-2	12 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	4
Control/operation element	Toggle

Device construction type	Fixed built-in
Neutral position	Left
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	132 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	185 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