



HMW401NR

Moulded Case Circuit Breaker h3+ P630 Energy 4P4D N0-50-100% 400A 50kA FTC

Technical Features

Electric current

Rated current	400 A
---------------	-------

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	50 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 415 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2	12 kA
Rated service breaking capacity Ics under 220 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 240 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 380 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 415 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 690 V AC according to IEC 60947-2	12 kA
Rated current 10°C according to IEC 60947	400 A
Rated current 15°C according to IEC 60947	400 A
Rated current 20°C according to IEC 60947	400 A
Rated current 25°C according to IEC 60947	400 A
Rated current 30°C according to IEC 60947	400 A
Rated current at 35°C according to IEC 60947	400 A
Rated current at 40°C according to IEC 60947	400 A
Rated current 45°C according to IEC 60947	400 A
Rated current 50°C according to IEC 60947	400 A
Rated current 55°C according to IEC 60947	400 A
Rated current at 60°C according to IEC 60947	400 A
Rated current 65°C according to IEC 60947	396 A
Rated current 70°C according to IEC 60947	360 A

Frequency

Frequency	50 - 60 Hz
-----------	------------

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	57.8 W
---------------------------	--------

Functions

Trip unit	ENERGY
-----------	--------

Safety

Ingress Protection (IP) class	IP4X
-------------------------------	------

Installation, mounting

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

Cable

Cable material	Copper
----------------	--------

Product Datasheet

HMW401NR

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	218.4 - 4000.0 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 (lsd)	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 11.5 12

Sustainability

RoHS conform	Yes
--------------	-----