



HNJ250DR

Moulded Case Circuit Breaker h3 x630 TM ADJ 3P3D 250A 40kA FTC

Technical Features

Electric current

Rated current	250 A
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 service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2	40 kA
Rated current 10°C according to IEC 60947	293.30 A
Rated current 15°C according to IEC 60947	288.20 A
Rated current 20°C according to IEC 60947	283.10 A
Rated current 25°C according to IEC 60947	277.80 A
Rated current 30°C according to IEC 60947	272.50 A
Rated current at 35°C according to IEC 60947	267.10 A
Rated current at 40°C according to IEC 60947	261.50 A
Rated current 45°C according to IEC 60947	255.80 A
Rated current 50°C according to IEC 60947	250 A
Rated current 55°C according to IEC 60947	244.10 A
Rated current at 60°C according to IEC 60947	238 A
Rated current 65°C according to IEC 60947	231.70 A
Rated current 70°C according to IEC 60947	225.30 A

Architecture

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

Tripping

Response time when opening	10 ms
----------------------------	-------

Frequency

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

Voltage

Rated impulse withstand voltage U _{imp}	8000 V
Rated insulation voltage U _i	800 V
Rated operational voltage U _e	220 - 415 V

Functions

Trip unit	TM A/A
-----------	--------

Power

Total power loss under I _N	71.4 W
---------------------------------------	--------

Safety

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

Settings

Thermal protection knob setting xI _N	0.63 0.8 1
---	------------------

Cable

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

Compatibility

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

Dimensions

Dimensions	260 x 140 mm
Height	260 mm
Width	140 mm
Depth	150 mm
Downstream busbar: width, height, diameter screw (max.)	10 mm 12 mm 32 mm
Top stream busbar: width, height, diameter screw (max.)	10 mm 12 mm 32 mm

Installation, mounting

Mounting-/Connection Position	Front
Nominal tightening torque	18 - 18 Nm
Nominal tightening torque down terminal	18 - 18 Nm
Nominal tightening torque top terminal	18 - 18 Nm

Sustainability

REACH-SVHC free	Yes
RoHS conform	Yes