

# Product Datasheet

## HMJ251DR



HMJ251DR

### Moulded Case Circuit Breaker h3 x630 TM ADJ 4P4D N0-100% 250A 50kA FTC

#### Technical Features

##### Electric current

Rated current	250 A
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2	85 kA
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2	50 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	4
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Left

##### Tripping

Response time when opening	10 ms
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##### Frequency

Frequency	50 - 60 Hz
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##### Voltage

Rated impulse withstand voltage U <sub>imp</sub>	8000 V
Rated insulation voltage U <sub>i</sub>	800 V
Rated operational voltage U <sub>e</sub>	220 - 415 V

##### Functions

Trip unit	TM A/A
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##### Power

Total power loss under I <sub>N</sub>	71.4 W
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##### Safety

Ingress Protection (IP) class	IP4X
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##### Settings

Thermal protection knob setting xI <sub>N</sub>	0.63 0.8 1
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##### Cable

Cable material	Copper
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##### Compatibility

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

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### Dimensions

Dimensions	260 x 185 mm
Height	260 mm
Width	185 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