



HMJ631DE

**Moulded Case Circuit Breaker h3 x630 TM ADJ 4P4D N0-100% 630A 50kA FTC**

**Technical characteristics**

**Electric current**

Rated current	630 A
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 service breaking capacity Ics under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	50 kA
Rated current 10°C according to IEC 60947	687.30 A
Rated current 15°C according to IEC 60947	673.40 A
Rated current 20°C according to IEC 60947	659.20 A
Rated current 25°C according to IEC 60947	644.80 A
Rated current 30°C according to IEC 60947	630 A
Rated current at 35°C according to IEC 60947	614.90 A
Rated current at 40°C according to IEC 60947	599.30 A
Rated current 45°C according to IEC 60947	583.40 A
Rated current 50°C according to IEC 60947	567 A
Rated current 55°C according to IEC 60947	550.10 A
Rated current at 60°C according to IEC 60947	532.70 A
Rated current 65°C according to IEC 60947	514.70 A
Rated current 70°C according to IEC 60947	496.10 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 Uimp	8,000 V
Rated insulation voltage Ui	800 V

Rated operational voltage Ue	220 - 415 V
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### Functions

Trip unit	TM A/A
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### Power

Total power loss under IN	145.2 W
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### Safety

Ingress Protection (IP) class	IP4X
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### Settings

Thermal protection knob setting xIN	0.63, 0.8, 1
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### Cable

Cable material	Copper, Aluminium
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### Compatibility

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

Height	260 mm
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Width	185 mm
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Depth	150 mm
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Downstream busbar: width, height, diameter screw (max.)	10 mm, 12 mm, 32 mm
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Top stream busbar: width, height, diameter screw (max.)	10 mm, 12 mm, 32 mm
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### Installation, mounting

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