



HMJ631DE

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

Technical Features

Electric current

Rated current	630 A
Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	85 kA
Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity I _{cs} 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 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
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Power

Total power loss under I _N	145.2 W
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Safety

Ingress Protection (IP) class	IP4X
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Settings

Thermal protection knob setting xI _N	0.63 0.8 1
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Cable

Cable material	Copper Aluminium
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Compatibility

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

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