



HMW630NR

**Moulded Case Circuit Breaker h3+ P630 Energy 3P3D 630A 50kA FTC**

**Technical characteristics**

**Architecture**

Type of order	Toggle
Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3P3D
Type of case	Fixed built-in

**Functions**

Complete device with protection unit	Yes
Version as main switch	Yes
Version as emergency stop installation	No
Version as safety switch	No
Version as maintenance-/service switch	Yes
Trip Unit	ENERGY
Integrated earth fault protection	No

**Controls and indicators**

Motor drive integrated	No
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**Main electrical features**

Rated operational voltage Ue	220 / 690 V
Type of supply voltage	AC
Frequency	50/60 Hz

**Voltage**

Rated insulation voltage	800 V
Rated impulse withstand voltage	8 kV
With under voltage release	No

**Electric current**

Rated current	630 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	12 kA
Rating current 10°C according to IEC 60947	630 A
Rating current 15°C according to IEC 60947	630 A
Rating current 20°C according to IEC 60947	630 A
Rating current 25°C according to IEC 60947	630 A
Rating current 30°C according to IEC 60947	630 A
Rating current 35°C according to IEC 60947	630 A

Rating current 40°C according to IEC 60947	630 A
Rating current 45°C according to IEC 60947	630 A
Rating current 50°C according to IEC 60947	630 A
Rating current 55°C according to IEC 60947	630 A
Rating current 60°C according to IEC 60947	623 A
Rating current 65°C according to IEC 60947	560 A
Rating current 70°C according to IEC 60947	497 A
Rated service breaking capacity Ics under 660V AC according IEC 60947-2	12 kA
Breaking capacity on 1 pole for IT 230V NF 60947-2	10 kA
Breaking capacity on 1 pole for IT 400V NF 60947-2	10 kA
Breaking capacity on 1 pole for IT 415V NF 60947-2	10 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 660V AC IEC 60947-2	12 kA
<b>Dimensions</b>	
Depth of installed product	150 mm
Height of installed product	260 mm
Width of installed product	140 mm
<b>Frequency</b>	
Frequency	50 to 60 Hz
<b>Power</b>	
Total power loss under IN	190.5 W
Power loss per pole at In	63.5 W
<b>Tripping</b>	
Time of response when opening	10 ms
<b>Installation, mounting</b>	
Tightening torque	18Nm
DIN rail mounting with optional adaptor	No
Suitable for front mounting	No
Suitable for ground mounting	Yes
<b>Connection</b>	
Connection	Front connection

**Cable**

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Cable Material	Cu / Al
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**Equipment**

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Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as change-over contact	0
Motor drive optional	Yes
Can be accessorized	Yes

**Use cases**

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Category of use	A
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**Standards**

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Standard text	IEC 60947-2
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**Safety**

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REACH conform	No
RoHS conform	Yes
Halogen free	No

**Use conditions**

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Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m