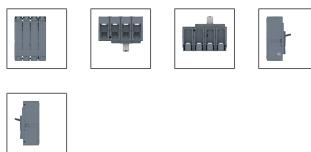




HMW631JR



### Moulded Case Circuit Breaker h3+ P630 LSI 4P4D N0-50-100% 630A 50kA FTC

#### Technical Features

##### Electric current

Rated current	630 A
Rated ultimate short-circuit breaking capacity lcu under 230 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity lcu under 240 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity lcu under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity lcu under 415 V AC IEC 60947-2	50 kA
Breaking capacity on 1-pole for AC 230 V IEC 60947-2	10 kA
Breaking capacity on 1-pole for AC 400 V IEC 60947-2	10 kA

##### 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
----------------------------	-------

##### Electric current

Rated ultimate short-circuit breaking capacity lcu under 690 V AC IEC 60947-2	12 kA
Rated service breaking capacity lcs under 220 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity lcs under 230 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity lcs under 240 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity lcs under 380 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity lcs under 400 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity lcs under 415 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity lcs under 690 V AC according to IEC 60947-2	12 kA
Rated current 10°C according to IEC 60947	630 A
Rated current 15°C according to IEC 60947	630 A
Rated current 20°C according to IEC 60947	630 A
Rated current 25°C according to IEC 60947	630 A
Rated current 30°C according to IEC 60947	630 A
Rated current at 35°C according to IEC 60947	630 A
Rated current at 40°C according to IEC 60947	630 A
Rated current 45°C according to IEC 60947	630 A
Rated current 50°C according to IEC 60947	630 A
Rated current 55°C according to IEC 60947	630 A
Rated current at 60°C according to IEC 60947	622 A
Rated current 70°C according to IEC 60947	510 A
Rated current 65°C according to IEC 60947	570 A

##### Settings

Ir1 current dial setting	250 A
	300 A
	350 A
	370 A
	400 A
	500 A
	600 A
	630 A

Adjustment range short-term delayed short-circuit release

375 - 6300 A

##### Frequency

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

##### Installation, mounting

Nominal tightening torque	18 - 18 Nm
Mounting-/Connection Position	Front

# Product Datasheet

## HMW631JR

---

<b>Voltage</b>	
Rated impulse withstand voltage Uimp	8000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V
<b>Functions</b>	
Trip unit	LSI
<b>Power</b>	
Total power loss under IN	119 W
Power loss per pole at In	39.6 W
<b>Equipment</b>	
Number of auxiliary contacts as change-over contact	0
Number of auxiliary contacts as normally closed contact	0
Number of auxiliary contacts as normally open contact	0
<b>Safety</b>	
Ingress Protection (IP) class	IP4X
<b>Use conditions</b>	
Operating temperature	-25 - 70 °C
<b>Connection</b>	
Connector/plug type	Terminal
<b>Cable</b>	
Cable material	Copper Aluminium
<b>Use conditions</b>	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
<b>Dimensions</b>	
Height	260 mm
Width	185 mm
Depth	150 mm
<b>Controls and indicators</b>	
Motor drive integrated	No
<b>Compatibility</b>	
Suitable for DIN Rail	No
Compatible with RDC AOB	Yes
Suitable for distribution board	Yes
<b>Power supply</b>	
Position power supply	Bidirectional

# Product Datasheet

## HMW631JR

---

### **Electrical protection**

Long-time overload protection (ltd): delay (tr)	0.5 s 1.5 s 2.5 s 5 s 7.5 s 9 s 10 s 12 s 14 s 16 s
Short-time protection (std): current (lsd)	1.5 2 3 4 5 6 7 8 10
Short-time protection (std): delay (tsd)	50 ms 100 ms 200 ms 300 ms 400 ms
Instantaneous protection (ii): dial setting coefficient	3 4 5 6 7 8 9 10 11

### **Sustainability**

RoHS conform	Yes
--------------	-----