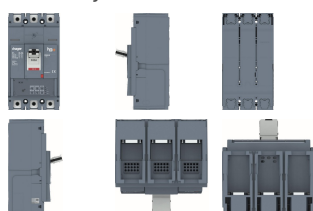




HMW630JR



## Moulded Case Circuit Breaker h3+ P630 LSI 3P3D 630A 50kA FTC

### Technical characteristics

#### Electric current

Rated current	630 A
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu 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
Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2	12 kA
Rated service breaking capacity Ics under 220 V AC according to 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 240 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity Ics under 380 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 415 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics 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

Subject to technical modifications

**Architecture**

Number of poles	3
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

**Tripping**

Response time when opening	10 ms
----------------------------	-------

**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 - 6,300 A

**Frequency**

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

**Installation, mounting**

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

**Voltage**

Rated impulse withstand voltage Uimp	8,000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V

**Functions**

Trip unit	LSI
-----------	-----

**Power**

Total power loss under IN	131.6 W
Power loss per pole at In	46.2 W

**Equipment**

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

**Safety**

Ingress Protection (IP) class	IP4X
-------------------------------	------

**Use conditions**

Operating temperature	-25 - 70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3

**Connection**

Connector/plug type	Terminal
---------------------	----------

Cable		
Cable material	Copper, Aluminium	
Dimensions		
Height	260 mm	
Width	140 mm	
Depth	150 mm	
Controls and indicators		
Motor drive integrated	No	
Compatibility		
Suitable for DIN Rail	No	
Compatible with RDC AOB	Yes	
Suitable for distribution board	Yes	
Power supply		
Position power supply	Bidirectional	
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 (Isd)	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 (li): dial setting coefficient	3, 4, 5, 6, 7, 8, 9, 10, 11	