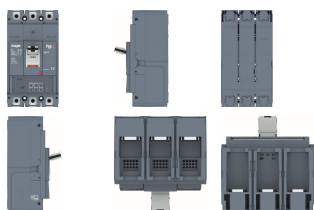




HMW400JR



### Moulded Case Circuit Breaker h3+ P630 LSI 3P3D 400A 50kA FTC

#### Technical properties

##### Electric current

Rated current	400 A
Rated ultimate short-circuit breaking capacity $I_{cu}$ under 230 V AC IEC 60947-2	85 kA
Rated ultimate short-circuit breaking capacity $I_{cu}$ under 240 V AC IEC 60947-2	85 kA
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 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 $I_{cu}$ under 690 V AC IEC 60947-2	12 kA
Rated service breaking capacity $I_{cs}$ under 220 V AC according to 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 240 V AC according to IEC 60947-2	85 kA
Rated service breaking capacity $I_{cs}$ under 380 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity $I_{cs}$ under 400 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity $I_{cs}$ under 415 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity $I_{cs}$ under 690 V AC according to IEC 60947-2	12 kA
Rated current 10°C according to IEC 60947	400 A
Rated current 15°C according to IEC 60947	400 A
Rated current 20°C according to IEC 60947	400 A
Rated current 25°C according to IEC 60947	400 A
Rated current 30°C according to IEC 60947	400 A
Rated current at 35°C according to IEC 60947	400 A
Rated current at 40°C according to IEC 60947	400 A
Rated current 45°C according to IEC 60947	400 A
Rated current 50°C according to IEC 60947	400 A
Rated current 55°C according to IEC 60947	400 A
Rated current at 60°C according to IEC 60947	400 A
Rated current 70°C according to IEC 60947	400 A

**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	160 A, 180 A, 200 A, 225 A, 250 A, 300 A, 350 A, 370 A, 400 A
Adjustment range short-term delayed short-circuit release	218.4 - 4,000.0 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	57.8 W
Power loss per pole at In	19.3 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
----------------	--------

**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, 10, 11, 12