



HMW400JR

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

**Technical characteristics**

**Architecture**

Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
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	LSI
Integrated earth fault protection	No

**Controls and indicators**

Motor drive integrated	No
------------------------	----

**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	400 A
Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2	12 kA
Rating current 10°C according to IEC 60947	400 A
Rating current 15°C according to IEC 60947	400 A
Rating current 20°C according to IEC 60947	400 A
Rating current 25°C according to IEC 60947	400 A
Rating current 30°C according to IEC 60947	400 A
Rating current 35°C according to IEC 60947	400 A
Rating current 40°C according to IEC 60947	400 A
Rating current 45°C according to IEC 60947	400 A

Rating current 50°C according to IEC 60947	400 A
Rating current 55°C according to IEC 60947	400 A
Rating current 60°C according to IEC 60947	400 A
Rating current 65°C according to IEC 60947	400 A
Rating current 70°C according to IEC 60947	400 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>	
Power loss per pole at 0.63*In	12 W
Power loss per pole at 0.8*In	19.2 W
Total power loss at 0.63*In	36 W
Total power loss at 0.8*In	57.6 W
Total power loss under IN	90 W
Power loss per pole at In	30 W
<b>Tripping</b>	
Time of response when opening	10 ms
<b>Installation, mounting</b>	
DIN rail mounting with optional adaptor	No
Suitable for front mounting	No
Suitable for ground mounting	Yes
<b>Connection</b>	

**Cable**

Cable Material	Cu
----------------	----

**Equipment**

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**

Category of use	B
-----------------	---

**Standards**

Standard text	IEC 60947-2
---------------	-------------

European directive WEEE	concerned
-------------------------	-----------

**Use conditions**

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

Altitude	2000 m
----------	--------

**temperatur**

Temperature of calibration	50 °C
----------------------------	-------