



HEW630JR

Moulded Case Circuit Breaker h3+ P630 LSI 3P3D 630A 70kA FTC

Technical Features

Electric current

Rated current I _N	630 A
Rated ultimate short-circuit breaking capacity I _{cu} under 230 V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2	100 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2	70 kA
Rated ultimate short-circuit breaking capacity I _{cu} under 415 V AC IEC 60947-2	70 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	3
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Without neutral

Tripping

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

Electric current

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	100 kA
Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2	100 kA
Rated service breaking capacity I _{cs} under 240 V AC according to IEC 60947-2	100 kA
Rated service breaking capacity I _{cs} under 380 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity I _{cs} under 415 V AC according to IEC 60947-2	70 kA
Rated service breaking capacity I _{cs} under 690 V AC according to IEC 60947-2	12 kA
Rated current at 10°C according to IEC 60947	630 A
Rated current at 15°C according to IEC 60947	630 A
Rated current at 20°C according to IEC 60947	630 A
Rated current at 25°C according to IEC 60947	630 A
Rated current at 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 at 45°C according to IEC 60947	630 A
Rated current at 50°C according to IEC 60947	630 A
Rated current at 55°C according to IEC 60947	630 A
Rated current at 60°C according to IEC 60947	622 A
Rated current at 70°C according to IEC 60947	510 A
Rated current at 65°C according to IEC 60947	570 A

Settings

I _{r1} 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

Voltage

Rated impulse withstand voltage Uimp	8000 V
Rated insulation voltage Ui	800 V
Rated operational voltage Ue	220 - 690 V

Functions

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

Power

Power dissipation at IN	119 W
Power loss per pole at In	39.6 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
-----------------------	-------------

Connection

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

Cable

Cable material	Copper Aluminium
----------------	---------------------

Use conditions

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

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

Electrical protection

Short-time protection (std): current (Isd)	1.5
	2
	3
	4
	5
	6
	7
	8
	10
	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
	11