



HEW630LR

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

Technical Features

Electric current

Rated current	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 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

Frequency

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

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

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	LSIG
Power	
Total power loss under 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
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
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

Electrical protection

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

Sustainability

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