

1.8 W



HMQ991LR

Moulded Case Circuit Breaker h3+ PW1600 LSIG 4P4D 1600A 50kA FTC

Technical Features

Electric current	
Rated current	1600 A
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	50 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	19.2 kA
Breaking capacity on 1-pole for AC 400 V IEC 60947-2	19.2 kA

Rated ultimate short-circuit breaking capacity icu unider 250 V AC IEC 60947-2	50 KA
Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2	50 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	19.2 kA
Breaking capacity on 1-pole for AC 400 V IEC 60947-2	19.2 kA
Architecture	
Number of poles	4
Control/operation element	Toggle
Device construction type	Fixed built-in
Neutral position	Left
Tripping	
Response time when opening	12 ms
Electric current	
Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2	30 kA
Rated service breaking capacity lcs under 220 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity lcs under 230 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity Ics under 240 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity lcs under 380 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity lcs under 400 V AC according to IEC 60947-2	50 kA
Rated service breaking capacity lcs 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	30 kA
Rated current 10°C according to IEC 60947	1600 A
Rated current 15°C according to IEC 60947	1600 A
Rated current 20°C according to IEC 60947	1600 A
Rated current 25°C according to IEC 60947	1600 A
Rated current 30°C according to IEC 60947	1600 A
Rated current at 35°C according to IEC 60947	1600 A
Rated current at 40°C according to IEC 60947	1600 A
Rated current 45°C according to IEC 60947	1600 A
Rated current 50°C according to IEC 60947	1590 A
Rated current 55°C according to IEC 60947	1540 A
Rated current at 60°C according to IEC 60947	1490 A
Rated current 70°C according to IEC 60947	1430 A
Rated current 65°C according to IEC 60947	1430 A
Frequency	
Frequency	50 - 60 Hz
Installation, mounting	
Nominal tightening torque	50-50 Nm
Mounting-/Connection Position	Front
Voltage	
Rated impulse withstand voltage Uimp	8 kV
Rated insulation voltage Ui	1000 V
Rated operational voltage Ue	220 - 690 V
Functions	
Trip unit	Sentinel LSIG
Power	

Frequency	
Frequency	50 - 60 Hz
Installation, mounting	
Nominal tightening torque	50-50 Nm
Mounting-/Connection Position	Front
Voltage	
Rated impulse withstand voltage Uimp	8 kV
Rated insulation voltage Ui	1000 V
Rated operational voltage Ue	220 - 690 V
Functions	
Trip unit	Sentinel LSIG
Power	
Total power loss under IN	129.6 W

Power loss per pole at In

Endurance	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000
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	IP20
Use conditions	
Operating temperature	-25-70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Cover, door	
Interlockable	Yes
Cable	
Cable material	Copper
	Aluminium
Dimensions	
Dimensions Height	
Depth	198 mm
Берит	130 11111
Controls and indicators	
Motor drive integrated	No
Compatibility	
Suitable for DIN Rail	No
Compatible with RDC AOB	No
Power supply	
Position power supply	Bidirectional
Electrical protection	
Long-time overload protection (ltd): delay (tr)	0.5 s
	1 s 2 s
	4 s
	5 s
	8 s 10 s
	15 s
	20 s
Short-time protection (std): delay (tsd)	25 s 50 ms
Short-time protection (std). delay (tsd)	100 ms
	200 ms
	400 ms 600 ms
Instantaneous protection (li): dial setting coefficient	1.5
	2
	3 4
	6
	8
	10 12
	15
0	
Sustainability RoHS conform	Yes