



Main

Range	Masterpact
Range of product	Masterpact NW
Product name	Masterpact NW
Product or component type	Basic frame
Device short name	Masterpact NW50
Circuit breaker name	Masterpact NW50H1
Poles description	3P
Network type	AC
Breaking capacity code	H1
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B

Complementary

Network frequency	50/60 Hz
Control type	Push-button
Mounting mode	Fixed
[In] rated current	5000 A (40 °C)
[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	12 kV conforming to IEC 60947-2
[Icm] rated short-circuit making capacity	220 kA 525 V AC 50/60 Hz 220 kA 690 V AC 50/60 Hz
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	5000 A
Breaking capacity	100 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 100 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 100 kA 690 V AC 50/60 Hz conforming to IEC 60947-2
Protection type	Without protection
Mechanical durability	10000 cycles with maintenance conforming to IEC 60947-2 5000 cycles without maintenance conforming to IEC 60947-2

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical durability	AC-23A : 1500 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A : 1500 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-3 : 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 1500 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 1500 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2
Connection pitch	230 mm
[I _{cw}] rated short-time withstand current	100 kA (1 s) conforming to IEC 60947-2 100 kA (3 s) conforming to IEC 60947-2
Maximum breaking time	25 ms
Closing response time	< 80 ms
Height	352 mm
Width	767 mm
Depth	297 mm
Compatibility code	NW50

Environment

Standards	IEC 60947-2
Product certifications	ASTA
Pollution degree	4 conforming to IEC 60664-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

Contractual warranty

Warranty period	18 months
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