



Main

Range	Masterpact
Range of product	Masterpact NT
Product name	Masterpact NT
Product or component type	Basic frame
Device short name	Masterpact NT16
Circuit breaker name	Masterpact NT16H2
Poles description	3P
Network type	AC
Breaking capacity code	H2
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	1600 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	105 kA 220/415 V AC 50/60 Hz 105 kA 440 V AC 50/60 Hz 88 kA 525 V AC 50/60 Hz 88 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	1600 A
Breaking capacity	50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 50 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 42 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 42 kA 690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 50 kA 220/415 V AC 50/60 Hz 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

Protection type	Without protection
Mechanical durability	12500 cycles without maintenance conforming to IEC 60947-2
Electrical durability	AC-23A : 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A : 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-3 : 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2
Connection pitch	70 mm
[Icw] rated short-time withstand current	20 kA (3 s) conforming to IEC 60947-2 42 kA (0.5 s) conforming to IEC 60947-2 42 kA (1 s) conforming to IEC 60947-2
Integral instant protection	81...99 kA
Maximum breaking time	25 ms
Closing response time	< 50 ms
Height	301 mm
Width	276 mm
Depth	196 mm
Compatibility code	NT16

Environment

Standards	IEC 60947-2
Product certifications	ASEFA LCIE
Pollution degree	3 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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