Product data sheet Characteristics

48000

circuit breaker Masterpact NW08N1 800 A - 3 poles - fixed - w/o trip unit





Main

Range of product	Masterpact NW	
Product or component type	Basic frame	
Device short name	Masterpact NW08	
Circuit breaker name	Masterpact NW08N1	
Poles description	3P	
Network type	AC	
Breaking capacity code	N1	
Suitability for isolation	Yes conforming to IEC 60947-2	
Utilisation category	Category B	

Complementary

Network frequency Control type Mounting mode [In] rated current [Ui] rated insulation voltage [Uimp] rated impulse withstand voltage [Icm] rated short-circuit making capacity [Ue] rated operational voltage	50/60 Hz Push-button Fixed 800 A at 40 °C 1000 V AC 50/60 Hz conforming to IEC 60947-2 12 KV conforming to IEC 60947-2 88 KA 525 V AC at 50/60 Hz 88 KA 690 V AC at 50/60 Hz 690 V AC 50/60 Hz conforming to IEC 60947-2
Mounting mode [In] rated current [Ui] rated insulation voltage [Uimp] rated impulse withstand voltage [Icm] rated short-circuit making capacity [Ue] rated operational voltage	Fixed 800 A at 40 °C 1000 V AC 50/60 Hz conforming to IEC 60947-2 12 KV conforming to IEC 60947-2 88 KA 525 V AC at 50/60 Hz 88 KA 690 V AC at 50/60 Hz
[In] rated current [Ui] rated insulation voltage [Uimp] rated impulse withstand voltage [Icm] rated short-circuit making capacity [Ue] rated operational voltage	800 A at 40 °C 1000 V AC 50/60 Hz conforming to IEC 60947-2 12 KV conforming to IEC 60947-2 88 KA 525 V AC at 50/60 Hz 88 KA 690 V AC at 50/60 Hz
[Ui] rated insulation voltage [Uimp] rated impulse withstand voltage [Icm] rated short-circuit making capacity [Ue] rated operational voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2 12 KV conforming to IEC 60947-2 88 KA 525 V AC at 50/60 Hz 88 KA 690 V AC at 50/60 Hz
[Uimp] rated impulse withstand voltage [Icm] rated short-circuit making capacity [Ue] rated operational voltage	12 KV conforming to IEC 60947-2 88 KA 525 V AC at 50/60 Hz 88 KA 690 V AC at 50/60 Hz
[Icm] rated short-circuit making capacity [Ue] rated operational voltage	88 KA 525 V AC at 50/60 Hz 88 KA 690 V AC at 50/60 Hz
[Ue] rated operational voltage	88 KA 690 V AC at 50/60 Hz
	600 V AC 50/60 Hz conforming to IEC 60047.2
O' 'Charalas OT ast's a	090 V AC 30/00 Hz contorning to IEC 00947-2
Circuit breaker CT rating	800 A
Breaking capacity	42 KA Icu at 440 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 42 KA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 380415 V AC 50/60 Hz conforming to IEC 60947-2
[lcs] rated service breaking capacity	42 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 42 KA at 690 V AC 50/60 Hz conforming to IEC 60947-2
Protection type	Without protection
Mechanical durability	12500 Cycles without maintenance conforming to IEC 60947-2 25000 Cycles with maintenance conforming to IEC 60947-2
Electrical durability	10000 Cycles 440 V AC 50/60 Hz without maintenance conforming- to IEC 60947-2 10000 Cycles 690 V AC 50/60 Hz without maintenance conforming- to IEC 60947-2
Connection pitch	115 Mm
[lcw] rated short-time withstand current	22 KA 3 s conforming to IEC 60947-2 42 KA 1 s conforming to IEC 60947-2
Maximum breaking time	25 Ms
	42 KA 1 s conforming to IEC 60947-2

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherended as a substitute for and is not to be used for determining suitability or reliability of these products by specific user applications. It is the dourn arise and entiregrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Maximum closing response time	70 Ms
Height	352 Mm
Width	422 Mm
Depth	297 Mm

Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA
Pollution degree	4 conforming to IEC 60664-1
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-4085 °C

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EEU RoHS Declaration
Mercury free	Yes
RoHS exemption information	€Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

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Warranty	18 months	

Product Life Status: Commercialised

48000 may be replaced by any of the following products:



LV848000

Circuit breaker Masterpact MTZ2 08N1, 800 A, 3P fixed, without Micrologic

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2019 |

