Product data sheet
Characteristics

48231
circuit breaker Masterpact NW08H1 - 800 A - 3 poles - drawout - 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 NW08H1
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	Drawout
[In] rated current	800 A at 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	143 KA 525 V AC at 50/60 Hz 143 KA 690 V AC at 50/60 Hz
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	800 A
Breaking capacity	65 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	65 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 65 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

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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 AC-23A: 10000 cycles 440 V AC 50/60 Hz without maintenance conforming- to IEC 60947-2 AC-23A: 10000 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
Connection pitch	115 Mm
[Icw] rated short-time withstand current	36 KA 3 s conforming to IEC 60947-2 65 KA 1 s conforming to IEC 60947-2
Maximum breaking time	25 Ms
Maximum closing response time	70 Ms
Height	439 Mm
Width	441 Mm
Depth	394.5 Mm

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	47.036 Kg
Package 1 Height	30.5 Cm
Package 1 width	29.5 Cm
Package 1 Length	37.5 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU 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

Warranty	18 months

Product Life Status : Commercialised

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