



### Main

Range of product	Masterpact NW
Product or component type	Basic frame
Device short name	Masterpact NW10HDC-E
Circuit breaker name	Masterpact NW10HDC-E
Poles description	4P
Network type	DC
Breaking capacity code	H
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B

### Complementary

Control type	Push-button
Mounting mode	Drawout
[In] rated current	1000 A at 40 °C
[Ui] rated insulation voltage	1000 V DC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	12 kV conforming to IEC 60947-2
[Icm] rated short-circuit making capacity	100 KA L/R = 5 ms 500 V DC 25 KA L/R = 30 ms 900 V DC 35 KA L/R = 15 ms 900 V DC 50 KA L/R = 30 ms 500 V DC 50 KA L/R = 15 ms 750 V DC 50 KA L/R = 30 ms 750 V DC 85 KA L/R = 15 ms 500 V DC 85 KA L/R = 5 ms 750 V DC 85 KA L/R = 5 ms 900 V DC
[Ue] rated operational voltage	500/900 V DC conforming to IEC 60947-2
Circuit breaker CT rating	1000 A
Breaking capacity	100 KA Icu at 500 V DC L/R = 5 ms conforming to IEC 60947-2 25 KA Icu at 900 V DC L/R = 30 ms conforming to IEC 60947-2 35 KA Icu at 900 V DC L/R = 15 ms conforming to IEC 60947-2 50 KA Icu at 500 V DC L/R = 30 ms conforming to IEC 60947-2 50 KA Icu at 750 V DC L/R = 15 ms conforming to IEC 60947-2 50 KA Icu at 750 V DC L/R = 30 ms conforming to IEC 60947-2 85 KA Icu at 500 V DC L/R = 15 ms conforming to IEC 60947-2 85 KA Icu at 750 V DC L/R = 5 ms conforming to IEC 60947-2 85 KA Icu at 900 V DC L/R = 5 ms conforming to IEC 60947-2
[Ics] rated service breaking capacity	100 KA at 500 V DC conforming to IEC 60947-2 (L/R = 5 ms) 25 KA at 900 V DC conforming to IEC 60947-2 (L/R = 30 ms) 35 KA at 900 V DC conforming to IEC 60947-2 (L/R = 15 ms) 50 KA at 500 V DC conforming to IEC 60947-2 (L/R = 30 ms) 50 KA at 750 V DC conforming to IEC 60947-2 (L/R = 15 ms) 50 KA at 750 V DC conforming to IEC 60947-2 (L/R = 30 ms) 85 KA at 500 V DC conforming to IEC 60947-2 (L/R = 15 ms) 85 KA at 750 V DC conforming to IEC 60947-2 (L/R = 5 ms) 85 KA at 900 V DC conforming to IEC 60947-2 (L/R = 5 ms)
Protection type	Without protection
Mechanical durability	10000 Cycles without maintenance conforming to IEC 60947-2 20000 cycles with maintenance conforming to IEC 60947-2
Electrical durability	8500 Cycles 500 V DC without maintenance conforming to IEC 60947-2 2000 cycles 900 V DC without maintenance conforming to IEC 60947-2
Connection pitch	115 mm
[Icw] rated short-time withstand current	85 kA 1 s conforming to IEC 60947-2
Maximum breaking time	30...75 ms
Maximum closing response time	70 ms

Height	439 mm
Width	556 mm
Depth	394.5 mm

## Environment

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

## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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