



## Main

Range	MasterPacT
Product name	MasterPact NW
Circuit breaker name	MasterPact NW20H2
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	3P
Control unit	Without control unit
[In] rated current	2000 A at 40 °C
Performance type	H2 100 kA 440 V AC
[Ue] rated operational voltage	690 V AC 50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Selectivity category	Category B
Control type	Push-button
Mounting mode	Fixed

## Complementary

[Icu] rated ultimate short-circuit breaking capacity	100 KA at 220/415 V AC 50/60 Hz 100 KA at 440 V AC 50/60 Hz 85 KA at 525 V AC 50/60 Hz 85 kA at 690 V AC 50/60 Hz
[Ics] rated service breaking capacity	100 KA at 220/415 V AC 50/60 Hz 100 KA at 440 V AC 50/60 Hz 85 KA at 525 V AC 50/60 Hz 85 kA at 690 V AC 50/60 Hz
[Icw] rated short-time withstand current	85 KA 1 s 75 kA 3 s
[Icm] rated short-circuit making capacity	220 KA 220/415 V AC at 50/60 Hz 187 KA 440 V AC at 50/60 Hz 187 KA 525 V AC at 50/60 Hz 187 kA 690 V AC at 50/60 Hz
Integrated instantaneous protection (DIN in kA peak)	171...209 kA
Sensor rating	1000 A 2000 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	250 W
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Mounting support	Backplate Rails
Upside connection	Front Rear
Downside connection	Front Rear
Connection pitch	115 mm
Mechanical durability	10000 Cycles without maintenance 20000 cycles with maintenance

Electrical durability	6000 Cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 8000 Cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 AC-23A: 6000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-23A: 8000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3
Height	352 mm
Width	422 mm
Depth	297 mm
Net weight	50 kg
Standards	EN/IEC 60947-1 EN/IEC 60947-2
Product certifications	CE[RETURN]CCC[RETURN]EAC

## Environment

IP degree of protection	IP30 conforming to IEC 60529
Pollution degree	4 conforming to IEC 60664-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	0...2000 m without derating 2000 m...5000 m with derating

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	30.5 cm
Package 1 Width	29.5 cm
Package 1 Length	37.5 cm
Package 1 Weight	47.252 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

Warranty	18 months
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