



Main

Range	MasterPacT
Product name	MasterPact NW
Circuit breaker name	MasterPact NW20H1
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	H1 65 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	Drawout

Complementary

[Icu] rated ultimate short-circuit breaking capacity	65 KA at 220/415 V AC 50/60 Hz 65 KA at 440 V AC 50/60 Hz 65 KA at 525 V AC 50/60 Hz 65 kA at 690 V AC 50/60 Hz
[Ics] rated service breaking capacity	65 KA at 220/415 V AC 50/60 Hz 65 KA at 440 V AC 50/60 Hz 65 KA at 525 V AC 50/60 Hz 65 kA at 690 V AC 50/60 Hz
[Icw] rated short-time withstand current	65 KA 1 s 36 kA 3 s
[Icm] rated short-circuit making capacity	143 KA 220/415 V AC at 50/60 Hz 143 KA 440 V AC at 50/60 Hz 143 KA 525 V AC at 50/60 Hz 143 kA 690 V AC at 50/60 Hz
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	470 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

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 intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator 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.

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	439 mm
Width	441 mm
Depth	395 mm
Net weight	90 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	48.422 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
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
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 www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
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