



Main

Range	MasterPacT
Product name	MasterPact NT
Circuit breaker name	MasterPact NT12H2
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	3P
Control unit	Without control unit
[In] rated current	1250 A at 40 °C
Performance type	H2 50 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	50 kA at 220/415 V AC 50/60 Hz 50 kA at 440 V AC 50/60 Hz 42 kA at 525 V AC 50/60 Hz 42 kA at 690 V AC 50/60 Hz
[Ics] rated service breaking capacity	42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz 50 kA at 525 V AC 50/60 Hz 50 kA at 690 V AC 50/60 Hz
[Icw] rated short-time withstand current	42 kA 0.5 s 42 kA 1 s 20 kA 3 s
[Icm] rated short-circuit making capacity	105 kA 220/415 V AC at 50/60 Hz 105 kA 440 V AC at 50/60 Hz 88 kA 525 V AC at 50/60 Hz 88 kA 690 V AC at 50/60 Hz
Integrated instantaneous protection (DIN in kA peak)	81...99 kA
Sensor rating	630 A 1250 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	130 W
Maximum breaking time	25 ms
Maximum closing response time	50 ms
Mounting support	Backplate Rails
Upside connection	Front Rear
Downside connection	Front Rear
Connection pitch	70 mm
Mechanical durability	12500 cycles without maintenance

Electrical durability	6000 Cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 3000 Cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 AC-23A: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-23A: 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3
Height	301 mm
Width	276 mm
Depth	196 mm
Net weight	14 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	3 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	25.0 cm
Package 1 Width	40.0 cm
Package 1 Length	40.0 cm
Package 1 Weight	15.69 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
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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