Product datasheet

Specifications



Circuit breaker frame, MasterPact NW16H1, 1600A, 65kA/440VAC 50/60Hz (Icu), 3 poles, fixed, without control unit

48043

Main

Range	MasterPacT	
product name	MasterPact NW	
Circuit breaker name	MasterPact NW16H1	
Product or component type	Circuit breaker	
Device application	Power distribution protection	
Poles description	3P	
Control unit	Without control unit	
[In] rated current	1600 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	Fixed	

Complementary

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[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	65 kA at 220/415 V AC 50/60 Hz
capacity	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	65 kA 1 s
current	36 kA 3 s
[Icm] rated short-circuit making	143 kA 220/415 V AC at 50/60 Hz
capacity	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	800 A
	1600 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	170 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	12500 cycles without maintenance 25000 cycles with maintenance	
Electrical durability	10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 AC-23A: 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/ IEC 60947-3 AC-23A: 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/ IEC 60947-3 AC-33: 6000 cycles 440/690 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	
Product weight	50 kg	
Standards	EN/IEC 60947-1 EN/IEC 60947-2	
Product certifications	CE CCC EAC	

Environment

IP degree of protection	IP30 conforming to IEC 60529	
Pollution degree	4 conforming to IEC 60664-1	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4085 °C	
Operating altitude	02000 m without derating 2000 m5000 m with derating	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	30.500 cm
Package 1 Width	29.500 cm
Package 1 Length	37.500 cm
Package 1 Weight	47.251 kg

Contractual warranty

Warranty

18 months

C Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability \geq

Performant Footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1319
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	6a3c1e0b-44cb-4a11-80eb-a083722777c1
China RoHS Regulation	China RoHS declaration
PVC free	Yes
Silicon free	No

Use Again

\circlearrowright Repack and remanufacture	
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
Halogen content performance	Product contains halogen above thresholds
Take-back	No