

Product datasheet

Specifications



switch-disconnector Masterpact NW50HH

46141

Main

Range	MasterPacT
Product name	MasterPact NW
Product or component type	Switch disconnector
Device short name	MasterPact NW50
Switch-disconnector name	MasterPact NW50HH
Device application	Protection
Poles description	3P
Network type	AC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-23A: 5000 A AC 50/60 Hz 690 V
[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-3
[Uimp] rated impulse withstand voltage	12 kV conforming to IEC 60947-3
[Icm] rated short-circuit making capacity	220 kA 690 V AC at 50/60 Hz
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-3
Breaking capacity code	HH
Suitability for isolation	Yes conforming to IEC 60947-3
Contact position indicator	Yes
Visible break	No
Pollution degree	4 conforming to IEC 60664-1

Complementary

Control type	Push-button
Mounting mode	Drawout
Mounting support	Chassis
Operating rate	10 cyc/h maximum
[Icw] rated short-time withstand current	100 kA during 1 s conforming to IEC 60947-3 100 kA during 3 s conforming to IEC 60947-4
Mechanical durability	10000 cycles with maintenance conforming to IEC 60947-3
Electrical durability	AC-23A: 1500 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-3
Connection pitch	230 mm
Height	352 mm

Excluding VAT, FCA Jabal Ali & amp; are subject to change – check with your local distributor.

Width	442 mm
Depth	297 mm
Net weight	160 kg
Integral instant protection	75 kA

Environment

Standards	IEC 60947-3
Product certifications	ASEFA
IP degree of protection	IP30
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	479.0 cm
Package 1 Width	395.0 cm
Package 1 Length	786.0 cm
Package 1 Weight	225.0 kg

Contractual warranty

Warranty (in months)	18
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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 >](#)



Environmental footprint

Total lifecycle Carbon footprint	6 494 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	946 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	23 kg CO2 eq.
Carbon footprint of the installation phase [A5]	33 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	5 152 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	340 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
EU RoHS Directive	Compliant with Exemptions
SCIP Number	6a3c1e0b-44cb-4a11-80eb-a083722777c1
REACH Regulation	REACH Declaration
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	No

Use Longer




Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	69
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

