

Product data sheet

Specifications



PowerPacT multistandard - L-Frame - 400 A - 100 KA - Micrologic 5.3 A trip unit

NLJF36400U53XTW

⚠ Discontinued on: Nov 20, 2023

⚠ Discontinued

Main

Range of product	PowerPact multistandard
Range	PowerPact
Product name	L-Frame
Device short name	L-Frame
Product or component type	Circuit breaker
Device application	Distribution

Complementary

Poles description	3P
Control type	Toggle
Mounting mode	Unit mount
Mounting support	Backplate DIN rail Flush
Electrical connection	Terminal nut, line side Terminal nut, load side
[In] rated current	400 A 104 °F (40 °C)
[Ui] rated insulation voltage	750 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
[Ue] rated operational voltage	525 V AC 50/60 Hz IEC 60947-2 690 V AC 50/60 Hz IEC 947-2 600 V AC 50/60 Hz UL 489
Breaking capacity code	LJ
Suitability for isolation	Yes
Utilisation category	Category A
Mechanical durability	5000 cycles
Electrical durability	1000 cycles
Connection pitch	1.8 in (45 mm)
Local signalling	ON/OFF indication
Contact position indicator	Yes
Trip unit name	MicroLogic 5.3 A
Trip unit technology	Electronic
Trip unit protection functions	LSI

Disclaimer: 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

Trip unit rating	400 A
Thermal memory	20 mn
Display type	Digital display
Breaking capacity	Icu 100 kA 220/240 V - AC IEC 947-2 Icu 65 kA 380/415 V - AC IEC 947-2 Icu 65 kA 440/480 V - AC IEC 947-2 Icu 25 kA 500/525 V - AC IEC 947-2 100 kA 240 V - AC UL 489 65 kA 480 V - AC UL 489 25 kA 600 V - AC UL 489
[Ics] rated service breaking capacity	Ics 100 kA 220/240 V - AC IEC 947-2 Ics 65 kA 380/415 V - AC IEC 947-2 Ics 65 kA 440/480 V - AC IEC 947-2 Ics 25 kA 500/525 V - AC IEC 947-2
Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	0.31...1 x In
[tr] long-time delay adjustment range	8 s 4 s 0.5 s 2 s 1 s 16 s
Short-time pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	1.5...9.5 x Ir
[tsd] short-time delay adjustment range	0 s 0.3 s 0.2 s 0.1 s 0.4 s
Instantaneous pick-up adjustment type Ii	Adjustable 9 settings
Instantaneous pick-up adjustment range	1.5...12 x In
Overvoltage category	II
Provision for padlocking	Non padlockable
Height	13.4 in (340 mm)
Width	5.5 in (140 mm)
Depth	4.3 in (110 mm)
Standards	UL 489 CSA C22.2 No 5 W-C-375B/GEN NEMA AB1 IEC 60947-2 NMX J-266
Product certifications	CCC CE
Net weight	13.2 lb(US) (6 kg)
Tightening torque	442.5 lbf.in (50 N.m)

Environment

IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Pollution degree	3 IEC 60947-1 3 IEC 60664-1

Ambient air temperature for operation	104 °F (40 °C)
Ambient air temperature for storage	-58...185 °F (-50...85 °C)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.4 in (23.8 cm)
Package 1 Width	11.140 in (28.296 cm)
Package 1 Length	19.880 in (50.495 cm)
Package 1 Weight	15.0003 lb(US) (6.804 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	796 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	44 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	738 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	10 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	26b9e251-deae-4b64-8a82-edb49f66f806
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	58
Circularity Profile	End of Life Information
Take-back	Nej
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins