

Product data sheet

Specifications



PowerPacT multistandard - L-Frame - 600 A - 25 KA - Micrologic 5.3 A trip unit

NLDF36600U53XTW

! Discontinued on: Oct 20, 2020

! 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	600 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	LD
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	600 A
Thermal memory	20 mn
Display type	Digital display
Breaking capacity	Icu 25 kA 220/240 V - AC IEC 947-2 Icu 18 kA 380/415 V - AC IEC 947-2 Icu 18 kA 440/480 V - AC IEC 947-2 Icu 14 kA 500/525 V - AC IEC 947-2 25 kA 240 V - AC UL 489 18 kA 480 V - AC UL 489 14 kA 600 V - AC UL 489
[Ics] rated service breaking capacity	Ics 25 kA 220/240 V - AC IEC 947-2 Ics 18 kA 380/415 V - AC IEC 947-2 Ics 18 kA 440/480 V - AC IEC 947-2 Ics 14 kA 500/525 V - AC IEC 947-2
Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	0.33...1 x In
[tr] long-time delay adjustment range	1 s 0.5 s 2 s 4 s 8 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 0.1 s 0.3 s 0.2 s 0.4 s
Instantaneous pick-up adjustment type Ii	Adjustable 9 settings
Instantaneous pick-up adjustment range	1.5...11 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	IEC 60947-2 NMX J-266 W-C-375B/GEN CSA C22.2 No 5 UL 489 NEMA AB1
Product certifications	CE CCC
Net weight	13.7 lb(US) (6.2 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	11.750 in (29.845 cm)
Package 1 Width	11.625 in (29.528 cm)
Package 1 Length	20.250 in (51.435 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](#) >

Use Better

Materials and Substances	
PVC free	Yes

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins