Product data sheet
Characteristics

NLDF36400U31XTW
Circuit breaker, PowerPacT L, 400A, 3 pole, 600VAC, 14kA, busbar, MicroLogic 3.3, multistandard, metric terminal nut



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 Flush DIN rail
Electrical connection	Terminal nut, line side Terminal nut, load side
[In] rated current	400 A at 40 °C
[Ui] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 KV conforming to IEC 60947-2
[Ue] rated operational voltage	525 V AC 50/60 Hz conforming to IEC 60947-2 690 V AC 50/60 Hz conforming to IEC 947-2 600 V AC 50/60 Hz conforming to UL 489
Breaking capacity code	LD
Suitability for isolation	Yes
Utilisation category	Category A
Mechanical durability	5000 Cycles
Electrical durability	1000 Cycles
Connection pitch	45 Mm
Local signalling	ON/OFF indication
Contact position indicator	Yes
Trip unit name	MicroLogic 3.0
Trip unit technology	Electronic
Trip unit protection functions	LI
Trip unit rating	400 A
Thermal memory	20 mn

Display type	3 LEDs
Breaking capacity	Icu: 25 kA at 220/240 V - AC conforming to IEC 947-2 Icu: 18 kA at 380/415 V - AC conforming to IEC 947-2 Icu: 18 kA at 440/480 V - AC conforming to IEC 947-2 Icu: 14 kA at 500/525 V - AC conforming to IEC 947-2 25 KA at 240 V - AC conforming to UL 489 18 KA at 480 V - AC conforming to UL 489 14 KA at 600 V - AC conforming to UL 489
[Ics] rated service breaking capacity	Ics: 25 kA at 220/240 V - AC conforming to IEC 947-2 Ics: 18 kA at 380/415 V - AC conforming to IEC 947-2 Ics: 18 kA at 440/480 V - AC conforming to IEC 947-2 Ics: 14 kA at 500/525 V - AC conforming to 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	4 S 8 S 0.5 S 2 S 1 S 16 S
Instantaneous pick-up adjustment type Ii	Adjustable 9 settings
Instantaneous pick-up adjustment range	1.5...15 x In
Overvoltage category	II
Provision for padlocking	Non padlockable
Height	340 Mm
Width	140 Mm
Depth	110 Mm
Standards	UL 489 IEC 60947-2 NMX J-266 CSA C22.2 No 5 NEMA AB1 W-C-375B/GEN
Product certifications	CE[RETURN]CCC
Net weight	6 Kg
Tightening torque	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 conforming to IEC 60947-1 3 conforming to IEC 60664-1
Ambient air temperature for operation	40 °C
Ambient air temperature for storage	-50…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	29.997 Cm
Package 1 Width	40.005 Cm
Package 1 Length	59.995 Cm
Package 1 Weight	6.804 Kg

Offer Sustainability

Recyclability potential, in %	58
Total lifecycle Carbon footprint	796 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	43.82880551360121
Carbon footprint of the manufacturing phase [A1 to A3]	44 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	1.966271580566898
Carbon footprint of the distribution phase [A4]	2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	1.8967904693791804

Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	738.058452197221
Carbon footprint of the use phase [B2, B3, B4, B6]	738 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	10.302971150240523
Carbon footprint of the end-of-life phase [C1 to C4]	10 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	796
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	26b9e251-deae-4b64-8a82-edb49f66f806
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the S
PVC free	Yes
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 a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised