

Product datasheet

Specifications



PowerPact multistandard - L-Frame - 400 A - 65 KA - Micrologic 3.0 trip unit

NLGL36400U31X

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	Flush DIN rail Backplate
Electrical connection	Lugs line side Lugs load side
Wire Size	AWG 2/0...500 kcmil (aluminium/copper) for 2 cable(s)
[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	LG
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 3.3
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: 65 kA at 220/240 V - AC conforming to IEC 947-2 Icu: 35 kA at 380/415 V - AC conforming to IEC 947-2 Icu: 35 kA at 440/480 V - AC conforming to IEC 947-2 Icu: 18 kA at 500/525 V - AC conforming to IEC 947-2 65 kA at 240 V - AC conforming to UL 489 35 kA at 480 V - AC conforming to UL 489 18 kA at 600 V - AC conforming to UL 489
[Ics] rated service breaking capacity	Ics: 65 kA at 220/240 V - AC conforming to IEC 947-2 Ics: 35 kA at 380/415 V - AC conforming to IEC 947-2 Ics: 35 kA at 440/480 V - AC conforming to IEC 947-2 Ics: 18 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	1 s 8 s 16 s 0.5 s 2 s 4 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	NMX J-266 CSA C22.2 No 5 UL 489 NEMA AB1 IEC 60947-2 W-C-375B/GEN
Product certifications	CCC CE
Net weight	6 kg

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
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Number of Units in Package 1	1
Package 1 Weight	7.929 kg
Package 1 Height	24 cm
Package 1 width	28 cm
Package 1 Length	50 cm
Unit Type of Package 2	P12
Number of Units in Package 2	6
Package 2 Weight	59.574 kg
Package 2 Height	50 cm
Package 2 width	80 cm
Package 2 Length	120 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
PVC free	Yes

Contractual warranty

Warranty	18 months
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