Product data sheet
Characteristics

LGL36600U31X
Circuit breaker, PowerPacT L, 600A, 3 pole, 600VAC, 18kA, lugs, MicroLogic 3.3, 80%

Local Stock Code: On Stock

Price*: 7484.00 USD



Main

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

Complementary

[In] rated current	600 A
Poles description	3P
Control type	Toggle
Breaking capacity code	G
Breaking capacity	65 KA at 240 V AC 50/60 Hz conforming to UL 489 35 KA at 480 V AC 50/60 Hz conforming to UL 489 18 KA at 600 V AC 50/60 Hz conforming to UL 489 20 KA at 250 V DC conforming to UL 489 20 KA at 500 V DC conforming to UL 489
[Ue] rated operational voltage	600 V AC 50/60 Hz conforming to IEC 60947-3
Network frequency	50/60 Hz
[Ics] rated service breaking capacity	65 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 380/440/415 V AC 50/60 Hz conforming to IEC 60947-2 18 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 20 KA at 250 V DC conforming to IEC 60947-2 20 KA at 500 V DC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 KV conforming to IEC 60947-2
Trip unit technology	Electronic, standard, MicroLogic 3.3, LI
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V conforming to IEC 60947-2
Trip unit name	MicroLogic 3.3
Protection technology	Current limiter
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A

AWG gauge	2 x 2/0 AWG...500 kcmil aluminium/copper
Local signalling	Ready: 1 LED (green) Alarm: 1 LED 90 % Ir (orange) Alarm: LED 105 % Ir (red) Switched off (OFF): 1 trip indicator (green)
Mounting mode	Unit mount (lug)
Mounting support	Lug
Electrical connection	Lugs, line Lugs, load
Terminal identifier	AL600LS52K3
Long time pick-up adjustment range	0.25...1 x In
Tightening torque	50 N.M for 70…240 mm² (2/0 AWG...500 kcmil)
Number of slots	2 slot(s) for auxiliary switch OF (plug-in)[RETURN]1 slot(s) for alarm switch SD (plug-in)[RETURN]1 slo
Wire stripping length	31 Mm 61 Mm
Colour	Black
Height	340 Mm
Width	140 Mm
Depth	110 Mm
Net weight	6.2 Kg
Communication interface	Modbus Ethernet
Circuit breaker application	HACR rated

Environment

Standards	UL CSA NEMA NOM-003-SCFI-2000 IEC 60947-2
Product certifications	UL[RETURN]CSA[RETURN]NOM
IP degree of protection	Front cover: IP40
Pollution degree	3 conforming to IEC 60947-1
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-50…85 °C
Operating altitude	< 2000 m without derating 5000 m with derating

Ordering and shipping details

Category	US10DE201116
Discount Schedule	0DE2
GTIN	00785901594437
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	22.352 Cm
Package 1 Width	35.56 Cm
Package 1 Length	80.518 Cm
Package 1 Weight	7.734 Kg

Offer Sustainability

Recyclability potential, in %	58
Total lifecycle Carbon footprint	1 169 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	49.81951526193295
Carbon footprint of the manufacturing phase [A1 to A3]	50 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	2.235030041755495
Carbon footprint of the distribution phase [A4]	2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2.156051953289033
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1103.4450456833574
Carbon footprint of the use phase [B2, B3, B4, B6]	1 103 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	11.71122558435629
Carbon footprint of the end-of-life phase [C1 to C4]	12 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	1169
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 State
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 and n

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised