Product data sheet Characteristics

PLA34080CU74AE1

Circuit breaker, PowerPacT P, 800A, 3 pole, 480VAC, 100kA, I-Line, Micrologic 6.0H, 100%, ABC, modbus





Main

Mani	
Range	PowerPact
Product name	PowerPact P
Product or Component Type	Circuit breaker
Device Application	Distribution

Complementary

Complementary	
Line Rated Current	800 A
Number of Poles	3P
Control type	Toggle
Breaking capacity code	L
Breaking capacity	AIR 125 kA 240 V AC 50/60 Hz UL 489 AIR 100 kA 480 V AC 50/60 Hz UL 489 AIR 25 kA 600 V AC 50/60 Hz UL 489 Icu 125 kA 240 V AC 50/60 Hz IEC 60947-2 Icu 85 kA 380/415 V AC 50/60 Hz IEC 60947-2
[Ue] rated operational voltage	480 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[lcs] rated service breaking capacity	65 KA 240 V AC 50/60 Hz IEC 60947-2 45 kA 380/415 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2
Trip unit technology	Electronic, harmonic, MicroLogic 6.0 H, LSIG
Continuous current rating	100 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	MicroLogic 6.0 H
Accessory / separate part type	Modbus connecting cable
AWG gauge	3 x AWG 3/0500 kcmil aluminium/copper
Local signalling	Overload 1 1 LED amber) 1 flag green) Trip causes 4 trip indicator red)
Mounting mode	I-Line bracket)
Mounting Support	Bracket
Electrical connection	I-Line connection, line Lugs, load
Terminal identifier	AL800M23K
Long time pick-up adjustment range	0.41 x lr
Mounting height	9 in (228.60 mm)
Tightening torque	442.54 Lbf.ln (50 N.m) 0.150.37 in² (95240 mm²) (3 x AWG 3/0500 kcmil) 8.8511.51 lbf.in (1.01.3 N.m)
Number of slots	2 auxiliary switch OF plug-in)[RETURN]1 alarm switch SD plug-in)[RETURN]1 overcurrent trip switch SDE plug-in)[RETURN]1 voltage release MN or MX plug-in)
Power wire stripping length	0.98 in (25 mm)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the dourn and restring of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Height	12.86 in (326.64 mm)
Width	8.27 in (210.06 mm)
Depth	8.05 in (204.47 mm)
Net Weight	32 lb(US) (14.51 kg)
Quantity per Set	1
Phase connection	ABC
Communication interface	Modbus
Circuit breaker application	HACR rated
En incoment	
Environment	CE
Quality labels	
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 IEC 60947-1
Ambient Air Temperature for Operation	28158 °F (-270 °C)
Ambient Air Temperature for Storage	-58185 °F (-5085 °C)
Operating altitude	< 6561.68 ft (2000 m) without derating
	13123.36 ft (4000 m) with derating
Ordering and shipping details	
Category	01210-PG,H,J,K,L,N I-LINE BREAKERS
Discount Schedule	DE2
Returnability	No
Country of origin	US
Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	32.00 lb(US) (14.515 kg)
Offer Sustainability	
Sustainable offer status	Green Premium product
	WARNING: This product can expose you to chemicals including: DINP, which is
Sustainable offer status	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to
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Sustainable offer status California proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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