

# PKA36080U64AE1

Circuit breaker, PowerPacT P, 800A, 3 pole,  
600VAC, 100kA, I-Line, Micrologic 6.0P, 80%,  
ABC, modbus



## Main

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

## Complementary

Line Rated Current	800 A
Number of Poles	3P
Control type	Toggle
Breaking capacity code	K
Breaking capacity	AIR 65 kA 240 V AC 50/60 Hz UL 489 AIR 50 kA 480 V AC 50/60 Hz UL 489 AIR 50 kA 600 V AC 50/60 Hz UL 489 Icu 50 kA 240 V AC 50/60 Hz IEC 60947-2 Icu 50 kA 380/415 V AC 50/60 Hz IEC 60947-2
[Ue] rated operational voltage	600 V AC 50/60 Hz UL 489
Network Frequency	50/60 Hz
[Ics] rated service breaking capacity	25 KA 240 V AC 50/60 Hz IEC 60947-2 25 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, power, MicroLogic 6.0 P, LSI
Continuous current rating	80 %
[Ui] rated insulation voltage	750 V IEC 60947-2
Trip unit name	MicroLogic 6.0 P
Accessory / separate part type	Modbus connecting cable
Suitability for isolation	Yes IEC 60947-2
Utilisation category	Category A
AWG gauge	3 x AWG 3/0...500 kcmil aluminium/copper
Local signalling	Overload 1 trip indicator green) 1 trip indicator green) Trip causes 1 trip indicator green)
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	0.4...1 x Ir
Mounting height	9 in (228.60 mm)
Tightening torque	442.54 Lbf.in (50 N.m) 0.15...0.37 in <sup>2</sup> (95...240 mm <sup>2</sup> ) (3 x AWG 3/0...500 kcmil) 8.85...11.51 lbf.in (1.0...1.3 N.m)

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 intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing 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.

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)
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

## Environment

Quality labels	CE
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	28...158 °F (-2...70 °C)
Ambient Air Temperature for Storage	-58...185 °F (-50...85 °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	Yes
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.00 in (25.4 cm)
Package 1 Width	14.75 in (37.465 cm)
Package 1 Length	16.00 in (40.64 cm)
Package 1 Weight	32.00 lb(US) (14.515 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
PVC free	Yes

## Contractual warranty

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Warranty	18 months
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