



**PowerPacT multistandard - H-Frame  
- 100 A - 100 KA - Therm-Mag trip  
unit NHJF36100TW**

URL:<https://www.sxplc.com/powerpact-multistandard-h-frame-100-a-100-ka-therm-mag-trip-unit-nhjf36100tw>

**Product data sheet**

Main	Range of product	PowerPact multistandard	
	Range	PowerPact	
	Product name	H-Frame	
	Device short name	H-Frame	
	Product or component type	Circuit breaker	
	Device application	Distribution	
Complementary	poles description	3P	
	Control type	Toggle	
	mounting mode	Unit mount	
	mounting support	Backplate	
		DIN rail	
		Flush	
	Electrical connection	Terminal nut, line side	
		Terminal nut, load side	
	[In] rated current	100 A 104.0000000000 °F (40 °C)	
[Ui] rated insulation voltage	750 V AC 50/60 Hz IEC 60947-2		
[Uimp] rated impulse withstand voltage	8 kV IEC 60947-2		

[Ue] rated operational voltage	525 V AC 50/60 Hz IEC 60947-2 690 V AC 50/60 Hz IEC 947-2 600 V AC 50/60 Hz UL 489
Breaking capacity code	HJ
Suitability for isolation	Yes
Utilisation category	Category A
Mechanical durability	4000 cycles
Electrical durability	4000 cycles
Connection pitch	1.8 in (45 mm)
local signalling	ON/OFF indication
Contact position indicator	Yes
Trip unit name	TM
Trip unit technology	Thermal-magnetic
Trip unit protection functions	Basic protection
Trip unit rating	100 A
Display type	3 LEDs
Breaking capacity	Icu 100 kA 220/240 V - AC IEC 947-2 Icu 65 kA 380/415 V - AC IEC 947-2 Icu 65 kA 440/480 V - AC IEC 947-2 Icu 25 kA 500/525 V - AC IEC 947-2 100 kA 240 V - AC UL 489 65 kA 480 V - AC UL 489 25 kA 600 V - AC UL 489
[Ics] rated service breaking capacity	Ics 100 kA 220/240 V - AC IEC 947-2 Ics 65 kA 380/415 V - AC IEC 947-2 Ics 65 kA 440/480 V - AC IEC 947-2 Ics 25 kA 500/525 V - AC IEC 947-2
Long time pick-up adjustment type Ir	Fixed
Long time pick-up adjustment range	1 In
Short-time pick-up adjustment type Isd	Fixed

[Isd] short-time pick-up adjustment range		1700 A
Overvoltage category		II
Provision for padlocking		Non padlockable
Height		6.4 in (163 mm)
Width		4.09 in (104 mm)
Depth		3.4 in (86 mm)
Standards		UL 489 W-C-375B/GEN CSA C22.2 No 5 NMX J-266 NEMA AB1 IEC 60947-2
Product certifications		CE CCC
Net weight		4.9 lb(US) (2.2 kg)
Tightening torque		44.3 lbf.in (5 N.m) 0.004...0.1 in <sup>2</sup> (2.5...95 mm <sup>2</sup> ) 3/0)
Environment	IP degree of protection	IP40 conforming to
	IK degree of protection	IK07 conforming to
	Pollution degree	3 IEC 60947 3 IEC 60664
	Ambient air temperature for operation	104.0000000000 °C
	Ambient air temperature for storage	-58.0000000000...185.000000
Packing Units	Unit Type of Package 1	
	Number of Units in Package 1	
	Package 1 Height	5.0
	Package 1 Width	7.0
	Package 1 Length	8.0
	Package 1 Weight	4.1
	Unit Type of Package 2	

Number of Units in Package 2	
Package 2 Height	
Package 2 Width	
Package 2 Length	
Package 2 Weight	26

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