



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	Flush DIN rail Backplate
Electrical connection	Terminal nut line side Terminal nut load side
[In] rated current	80 A at 40 °C
[Ui] rated insulation voltage	750 V AC at 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 at 50/60 Hz conforming to IEC 60947-2 690 V AC at 50/60 Hz conforming to IEC 947-2 600 V AC at 50/60 Hz conforming to UL 489
Breaking capacity code	HJ
Suitability for isolation	Yes
Utilisation category	Category A
Mechanical durability	4000 cycles
Electrical durability	4000 cycles
Connection pitch	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

Disclaimer: 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

Trip unit rating	80 A
Display type	3 LEDs
Breaking capacity	100 kA at 240 V - AC conforming to UL 489 65 kA at 480 V - AC conforming to UL 489 25 kA at 600 V - AC conforming to UL 489 Icu : 100 kA at 220/240 V - AC conforming to IEC 947-2 Icu : 65 kA at 380/415 V - AC conforming to IEC 947-2 Icu : 65 kA at 440/480 V - AC conforming to IEC 947-2 Icu : 25 kA at 500/525 V - AC conforming to IEC 947-2
[Ics] rated service breaking capacity	Ics : 100 kA at 220/240 V - AC conforming to IEC 947-2 Ics : 65 kA at 380/415 V - AC conforming to IEC 947-2 Ics : 65 kA at 440/480 V - AC conforming to IEC 947-2 Ics : 25 kA at 500/525 V - AC conforming to 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 I _{sd}	Fixed
[I _{sd}] short-time pick-up adjustment range	1450 A
Overvoltage category	II
Provision for padlocking	Non padlockable
Height	163 mm
Width	104 mm
Depth	86 mm
Standards	NMX J-266 W-C-375B/GEN CSA C22.2 No 5 NEMA AB1 UL 489 IEC 60947-2
Product certifications	CCC CE
Product weight	2.2 kg
Tightening torque	5 N.m 2.5...95 mm ² AWG 14...AWG 3/0

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 60664-1 3 conforming to IEC 60947-1
Ambient air temperature for operation	40 °C
Ambient air temperature for storage	-50...85 °C