

Product data sheet

Specifications



PowerPacT multistandard - H-Frame - 90 A - 65 KA - Therm-Mag trip unit

NHGF36090TW

❗ Discontinued

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 Flush DIN rail
Electrical Connection	Terminal nut, line side Terminal nut, load side
[In] Rated Current	90 A at 40 °C
[Ui] Rated Insulation Voltage	750 V AC 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 50/60 Hz conforming to IEC 60947-2 690 V AC 50/60 Hz conforming to IEC 947-2 600 V AC 50/60 Hz conforming to UL 489
Breaking Capacity Code	HG
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

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 Protection Functions	Basic protection
Trip Unit Rating	90 A
Display Type	3 LEDs
Breaking Capacity	Icu: 65 kA at 220/240 V - AC conforming to IEC 947-2 Icu: 35 kA at 380/415 V - AC conforming to IEC 947-2 Icu: 35 kA at 440/480 V - AC conforming to IEC 947-2 Icu: 18 kA at 500/525 V - AC conforming to IEC 947-2 65 kA at 240 V - AC conforming to UL 489 35 kA at 480 V - AC conforming to UL 489 18 kA at 600 V - AC conforming to UL 489
[Ics] Rated Service Breaking Capacity	Ics: 65 kA at 220/240 V - AC conforming to IEC 947-2 Ics: 35 kA at 380/415 V - AC conforming to IEC 947-2 Ics: 35 kA at 440/480 V - AC conforming to IEC 947-2 Ics: 18 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 Isd	Fixed
[Isd] 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	W-C-375B/GEN NMX J-266 CSA C22.2 No 5 IEC 60947-2 NEMA AB1 UL 489
Product Certifications	CCC CE
Net Weight	2.2 kg
Tightening Torque	5 N.m for 2.5...95 mm² (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 60947-1 3 conforming to IEC 60664-1
Ambient Air Temperature For Operation	40 °C
Ambient Air Temperature For Storage	-50...85 °C

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	15.011 cm
Package 1 Width	18.999 cm
Package 1 Length	22.504 cm

Package 1 Weight	1.959 kg
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

✓ Pvc Free

Certifications & Standards

Eu Rohs Directive Compliant
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information

Circularity Profile [End of Life Information](#)

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