

# Product data sheet

Specifications



## PowerPact multistandard - H-Frame - 60 A - 65 KA - Micrologic 5.2 E trip unit

NHGF36060U53XTW

### 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	60 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	MicroLogic 5.2 E
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LSI

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

<b>Trip Unit Rating</b>	60 A
<b>Thermal Memory</b>	20 mn
<b>Display Type</b>	Digital display
<b>Breaking Capacity</b>	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
<b>[Ics] Rated Service Breaking Capacity</b>	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
<b>Long Time Pick-Up Adjustment Type Ir</b>	Adjustable 9 settings
<b>Long Time Pick-Up Adjustment Range</b>	0.25...1 x In
<b>[Tr] Long-Time Delay Adjustment Range</b>	4 s 8 s 0.5 s 2 s 1 s 16 s
<b>Short-Time Pick-Up Adjustment Type Isd</b>	Adjustable 9 settings
<b>[Isd] Short-Time Pick-Up Adjustment Range</b>	1.5...9.5 x Ir
<b>[Tsd] Short-Time Delay Adjustment Range</b>	0.3 s 0.2 s 0 s 0.1 s 0.4 s
<b>Instantaneous Pick-Up Adjustment Type Ii</b>	Adjustable 9 settings
<b>Instantaneous Pick-Up Adjustment Range</b>	1.5...15 x In
<b>Overvoltage Category</b>	II
<b>Provision For Padlocking</b>	Non padlockable
<b>Height</b>	163 mm
<b>Width</b>	104 mm
<b>Depth</b>	86 mm
<b>Standards</b>	IEC 60947-2 NEMA AB1 UL 489 NMX J-266 W-C-375B/GEN CSA C22.2 No 5
<b>Product Certifications</b>	CCC CE
<b>Net Weight</b>	2.2 kg

## Environment

<b>Ip Degree Of Protection</b>	IP40 conforming to IEC 60529
<b>Ik Degree Of Protection</b>	IK07 conforming to IEC 62262
<b>Pollution Degree</b>	3 conforming to IEC 60947-1 3 conforming to IEC 60664-1
<b>Ambient Air Temperature For Operation</b>	40 °C

Ambient Air Temperature For Storage	-50...85 °C
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## 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	2.268 kg
Unit Type Of Package 2	CAR
Number Of Units In Package 2	1
Package 2 Height	15 cm
Package 2 Width	19 cm
Package 2 Length	22.5 cm
Package 2 Weight	2.268 kg

## 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-CO<sub>2</sub> 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 >](#)



Transparency   RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

✓ Pvc Free

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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>