

Product data sheet

Specifications



PowerPact multistandard - H-Frame - 30 A - 65 KA - Therm-Mag trip unit

NHGF36030TW

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	DIN rail Backplate Flush
Electrical connection	Terminal nut line side Terminal nut load side
[In] rated current	30 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
Trip unit protection functions	Basic protection
Trip unit rating	30 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	750 A
Overvoltage category	II
Provision for padlocking	Non padlockable
Height	163 mm
Width	104 mm
Depth	86 mm
Standards	W-C-375B/GEN IEC 60947-2 UL 489 NMX J-266 NEMA AB1 CSA C22.2 No 5
Product certifications	CCC CE
Net weight	2.2 kg
Tightening torque	5 N.m for 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 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	13.018 cm
Package 1 Width	18.415 cm
Package 1 Length	21.433 cm

Package 1 Weight	1.869 kg
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	11.98 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes
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

Recommended replacement(s)