

# Product datasheet

Specifications



Circuit breaker, GoPact MCCB 800, 3 poles, 70kA at 415VAC, 800A rating, TMD trip unit, adjustable thermal protection

G80H3TM800

## Main

Range of product	GoPact MCCB
product or component type	Circuit breaker
Product name	GoPact MCCB 800
Device application	Distribution
poles description	3P
Protected poles description	3D
[In] rated current	800 A at 40 °C
[Ue] rated operational voltage	415 V AC 50/60 Hz conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	70 kA Icu at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 80 kA Icu at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2
Performance level	H 70 kA 380/415 V AC
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control type	Toggle
Circuit breaker mounting mode	Fixed

## Complementary

[U <sub>i</sub> ] rated insulation voltage	440 V AC conforming to EN/IEC 60947-2
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2
[I <sub>cs</sub> ] rated service short-circuit breaking capacity	70 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 80 kA at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2
Mechanical durability	15000 cycles
Electrical durability	3000 cycles at 415 V In
Power dissipation per pole	70 W
mounting support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
downside connection	Front

Connection terminals	screw terminals
Connection pitch	60 mm
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	800 A at 40 °C
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.7...1 x In
Long-time protection delay adjustment type tr	Fixed
Instantaneous protection pick-up adjustment type Ii	Fixed
[Ii] instantaneous protection pick-up adjustment range	8 x In
Width (W)	180 mm
Height (H)	250 mm
Depth (D)	105 mm
net weight	6.9 kg
Colour	Grey (RAL 7035)

## Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H
Overvoltage category	III
Pollution degree	3 conforming to IEC 60664-1
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20...55 °C
Ambient air temperature for storage	-35...85 °C
Operating altitude	0...2000 m without derating 2000...5000 m with derating

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18 cm
Package 1 Width	27 cm
Package 1 Length	29 cm
Package 1 Weight	11050 g
Unit Type of Package 2	P06
Number of Units in Package 2	12
Package 2 Height	105 cm
Package 2 Width	60 cm
Package 2 Length	80 cm
Package 2 Weight	146.392 kg

## Sustainability

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

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[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 [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

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

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)