Specifications



Circuit breaker, GoPact MCCB 800, 3 poles, 50kA at 415VAC, 630A rating, TMD trip unit, adjustable thermal protection

G80N3TM630

Main

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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	630 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	50 kA Icu at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 65 kA Icu at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2	
Performance level	N 50 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

[Ui] rated insulation voltage	440 V AC conforming to EN/IEC 60947-2	
[Uimp] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2	
[lcs] rated service short-circuit breaking capacity	50 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 65 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	60 W	
Mounting support	Backplate	
Mounting position	Horizontal and vertical Flat on the back	
Upside connection	Front	
Downside connection	Front	

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Connection terminals	screw terminals	
Connection pitch	60 mm	
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)	
Trip unit rating	630 A at 40 °C	
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable	
[Ir] long-time protection pick-up adjustment range	0.71 x ln	
Long-time protection delay adjustment type tr	Fixed	
Instantaneous protection pick-up adjustment type li	Fixed	
[li] instantaneous protection pick- up adjustment range	10 x ln	
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	-2055 °C
Ambient air temperature for storage	-3585 °C
Operating altitude	02000 m without derating 20005000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18.000 cm
Package 1 Width	27.000 cm
Package 1 Length	29.000 cm
Package 1 Weight	11.050 kg
Unit Type of Package 2	S03
Number of Units in Package 2	80
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	884.430 kg
Unit Type of Package 3	P12

Number of Units in Package 3	1280
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	14164.800 kg

🜔 Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability \geq

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	Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1147	
	Environmental Disclosure	Product Environmental Profile	

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	5b12c07e-103c-433a-bd34-f815c7f01ef6
REACh Regulation	REACh Declaration
Halogen content performance	Halogen free plastic parts product
PVC free	Yes

Use Again

$^{\circlearrowright}$ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Product datasheet

Technical Illustration

Dimensions

mm in.

