Product datasheet

Specifications



Circuit breaker, GoPact MCCB 250, 4 poles, 36kA at 415VAC, 250A, TMD trip unit, adjustable thermal protection, up to 50°C

G25F4A250

Main

Range of product	GoPact MCCB
Product or component type	Circuit breaker
Product name	GoPact MCCB 250
Device application	Distribution
Poles description	4P
Protected poles description	4D
Neutral position	Left
[In] rated current	250 A at 40 °C 250 A at 50 °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	36 kA Icu at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2
Performance level	F 36 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
[Ics] rated service short-circuit breaking capacity	36 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2
Mechanical durability	25000 cycles
Electrical durability	8000 cycles at 415 V In
Power dissipation per pole	25 W
Mounting support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front

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

Downside connection	Front
Connection terminals	screw terminals
Connection pitch	35 mm
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	250 A at 40 °C 250 A at 50 °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	12 x In
Neutral protection settings	1 x Ir (4D)
Width (W)	140 mm
Height (H)	165 mm
Depth (D)	90 mm
Net weight	2.4 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	18.3 cm
Package 1 Width	17.6 cm
Package 1 Length	20.4 cm
Package 1 Weight	3500 g
Unit Type of Package 2	S03
Number of Units in Package 2	2
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm

Package 2 Weight	7.315 kg
Unit Type of Package 3	P06
Number of Units in Package 3	24
Package 3 Height	105 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	96.28 kg

Contractual warranty

Warranty (in months)	18

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 >

Environmental footprint

Total lifecycle Carbon footprint	**903**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Packaging

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards**
EU RoHS Directive	**Compliant with Exemptions**
SCIP Number	**5b12c07e-103c-433a-bd34-f815c7f01ef6**
REACh Regulation	**REACh Declaration**
Halogen-free status	**Halogen free plastic parts product**
PVC free	**Yes**
Silicone-free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

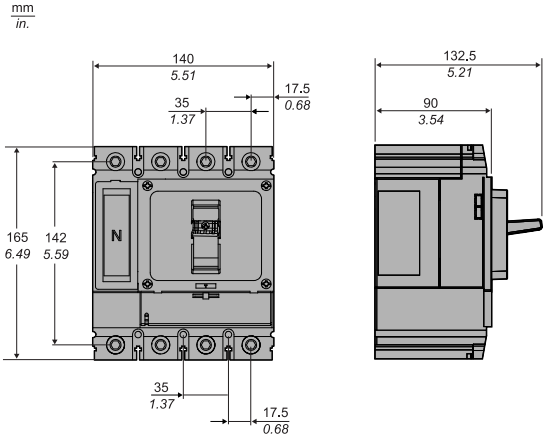
Use Again

Repack and remanufacture

End of life manual availability	**End of Life Information**
Take-back	**No**

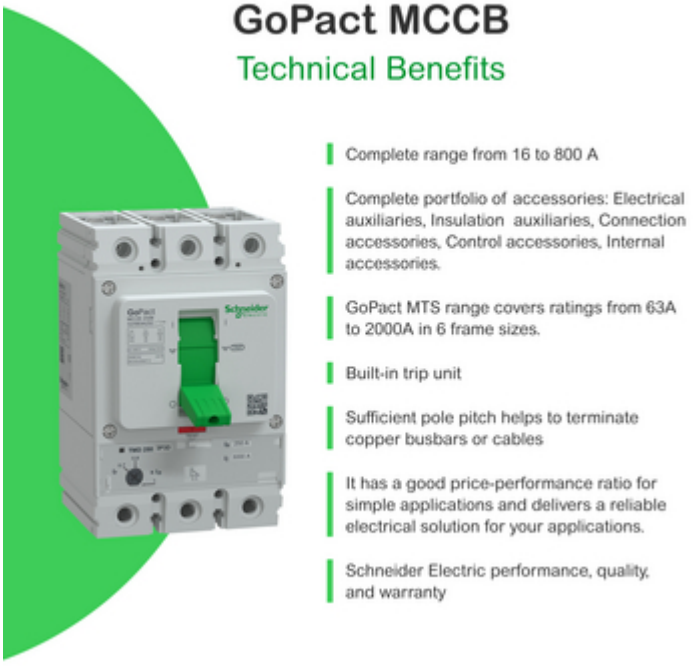
Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features



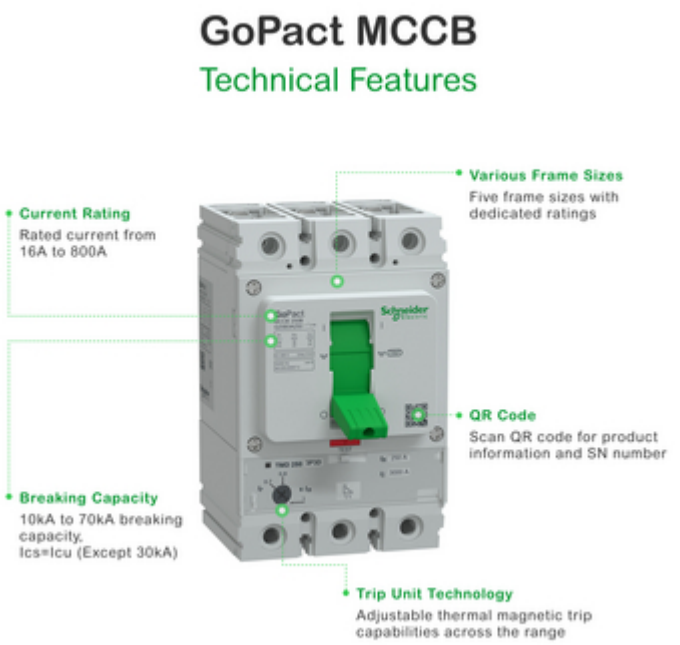
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Product benefits / Features



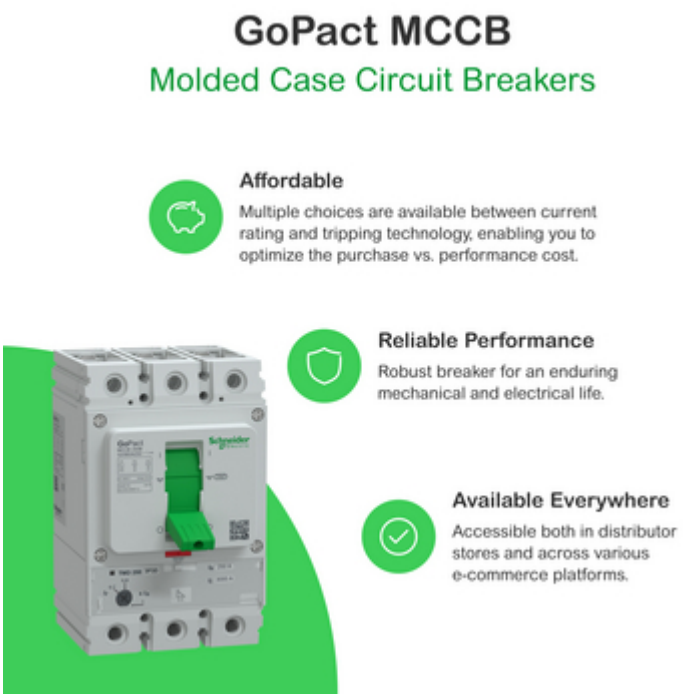
Offer Marketing Illustration

Product benefits / Features



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