Product datasheet

Specifications



Circuit breaker, GoPact MCCB 200, 3 poles, 25kA at 415VAC, 160A rating, TMD trip unit, adjustable thermal protection

G20B3A160

Main

Range of product	GoPact MCCB
Product or component type	Circuit breaker
Product name	GoPact MCCB 200
Device application	Distribution
Poles description	3P
Protected poles description	3D
[In] rated current	160 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	25 kA Icu at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 36 kA Icu at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2
Performance level	B 25 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	6 kV conforming to EN/IEC 60947-2
[Ics] rated service short-circuit breaking capacity	25 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 36 kA at 220/230 V AC 50/60 Hz conforming to EN/IEC 60947-2
Mechanical durability	30000 cycles
Electrical durability	8000 cycles at 415 V In
Power dissipation per pole	16 W
Mounting support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
Downside connection	Front
Connection terminals	screw terminals

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

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

Connection pitch	25 mm
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	160 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	12 x In
Width (W)	75 mm
Height (H)	130 mm
Depth (D)	60 mm
Net weight	0.9 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	13.6 cm
Package 1 Width	8.5 cm
Package 1 Length	13.9 cm
Package 1 Weight	995 g
Unit Type of Package 2	S02
Number of Units in Package 2	8
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	8.275 kg
Unit Type of Package 3	P06
Number of Units in Package 3	128

Package 3 Height	75 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	140.9 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	**432 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**4 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.8 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**425 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

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**
SCIP Number	**554216e5-5712-450c-9997-e53873097a8e**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	**Halogen free plastic parts product**
PVC free	**Yes**
Silicone-free	**Yes**

Use Again

Repack and remanufacture

Recyclability potential, in %	**46**
End of life manual availability	End of Life Information
Take-back	**No**