

Product datasheet

Specifications



Circuit breaker, GoPact MCCB 125, 3 poles, 30kA at 415VAC, 25A rating, TMD trip unit, adjustable thermal protection

G12F3A25

Main

Range of product	GoPact MCCB
Product or component type	Circuit breaker
Product name	GoPact MCCB 125
Device application	Distribution
Poles description	3P
Protected poles description	3D
[In] rated current	25 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	30 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 30 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 _i] rated insulation voltage	440 V AC conforming to EN/IEC 60947-2
[U _{imp}] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
[I _{cs}] rated service short-circuit breaking capacity	15 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 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	18.7 W
Mounting support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
Downside connection	Front
Connection terminals	screw terminals

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	25 A at 40 °C
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.8...1 x In
Long-time protection delay adjustment type tr	Fixed
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick-up adjustment range	320 A
Width (W)	75 mm
Height (H)	130 mm
Depth (D)	60 mm
Product weight	0.7 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	8.500 cm
Package 1 Width	13.000 cm
Package 1 Length	13.500 cm
Package 1 Weight	830.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	8
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	7.150 kg
Unit Type of Package 3	P06
Number of Units in Package 3	128

Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	118.948 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	502 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.6 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	497 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 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
SCIP Number	7ccb5ff0-1063-42f0-88cf-9573d7504038
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 Longer



Lifetime extension

Repair	No
--------	----

Use Again

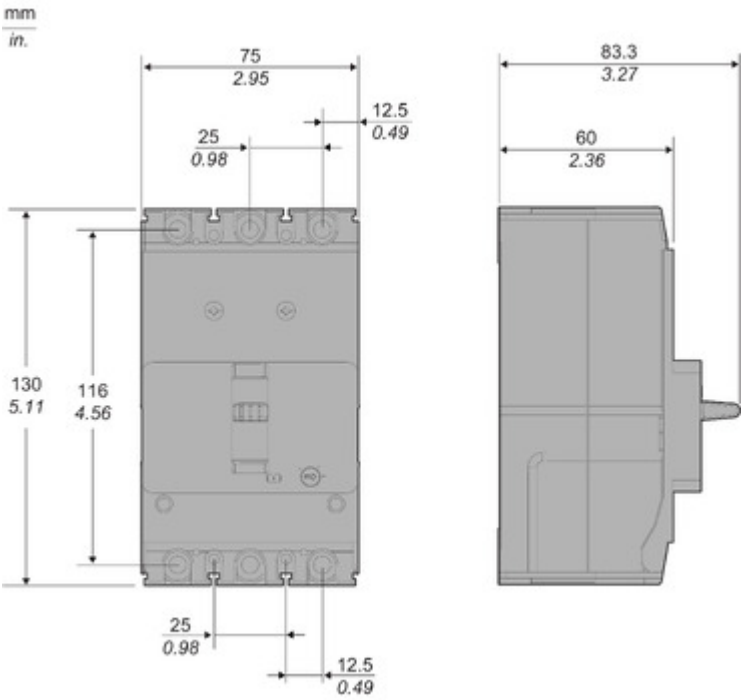


Repack and remanufacture

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

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

GoPact MCCB
Technical Features

• **Current Rating**
Rated current from 16A to 800A

• **Breaking Capacity**
10kA to 70kA breaking capacity.
Ics=Icu (Except 30kA)

• **Trip Unit Technology**
Adjustable thermal magnetic trip capabilities across the range

• **Various Frame Sizes**
Five frame sizes with dedicated ratings

• **QR Code**
Scan QR code for product information and SN number



The image shows a Schneider Electric GoPact MCCB, a three-phase molded case circuit breaker. It is a grey, rectangular unit with a green handle in the center. The handle is currently in the 'off' position. The unit has multiple terminals on top and bottom for wiring. A QR code is visible on the front panel. The Schneider Electric logo is printed on the top right of the front panel. Five green callout lines point from various parts of the unit to descriptive text boxes: one to the top terminals, one to the handle, one to the bottom terminals, one to the QR code, and one to the side of the unit.

Offer Marketing Illustration

Product benefits / Features



GoPact MCCB

Technical Benefits

- Complete range from 16 to 800 A
- Complete portfolio of accessories: Electrical auxiliaries, Insulation auxiliaries, Connection accessories, Control accessories, Internal accessories.
- GoPact MTS range covers ratings from 63A to 2000A in 6 frame sizes.
- Built-in trip unit
- Sufficient pole pitch helps to terminate copper busbars or cables
- It has a good price-performance ratio for simple applications and delivers a reliable electrical solution for your applications.
- Schneider Electric performance, quality, and warranty

Offer Marketing Illustration

Product benefits / Features



GoPact MCCB

Range Accessories



Rotary handles



Auxiliary contact



Terminal extensions



MN undervoltage release



Rear connectors



Short terminal shield



Plug in conversion kit



Plug in base



Interphase barrier



Bare cable connector

Offer Marketing Illustration

Product benefits / Features

GoPact MCCB
Molded Case Circuit Breakers



Affordable

Multiple choices are available between current rating and tripping technology, enabling you to optimize the purchase vs. performance cost.



Reliable Performance

Robust breaker for an enduring mechanical and electrical life.



Available Everywhere

Accessible both in distributor stores and across various e-commerce platforms.

Offer Marketing Illustration

Product benefits / Features

GoPact MCCB
Molded Case Circuit Breakers



Affordable

Multiple choices are available between current rating and tripping technology, enabling you to optimize the purchase vs. performance cost.



Reliable Performance

Robust breaker for an enduring mechanical and electrical life.



Available Everywhere

Accessible both in distributor stores and across various e-commerce platforms.