# Product datasheet

Specifications



## GoPact MCCB;GoPact;gopact mccb;mccb;MCCB;circuit breaker;basic frame;125A;3 poles; 3P;20A;30kA;adjustable;manually operated

G12F3A20

## 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** | 20 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<br>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

| | |
|---|---|
| **[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** | 15 kA at 380/415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>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<br>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.

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 terminals** | screw terminals |
| **Connection pitch** | 25 mm |
| **Protection type** | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic) |
| **Trip unit rating** | 20 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 Ii** | Fixed |
| **[Ii] instantaneous protection pick-up adjustment range** | 320 A |
| **Width (W)** | 75 mm |
| **Height (H)** | 130 mm |
| **Depth (D)** | 60 mm |
| **Net weight** | 0.7 kg |
| **Colour** | Grey (RAL 7035) |

## Environment

| | |
|---|---|
| **Standards** | EN/IEC 60947-1<br>EN/IEC 60947-2<br>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<br>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** | 14.000 cm |
| **Package 1 Weight** | 908.000 g |
| **Unit Type of Package 2** | S02 |
| **Number of Units in Package 2** | 16 |
| **Package 2 Height** | 15.000 cm |
| **Package 2 Width** | 30.000 cm |
| **Package 2 Length** | 40.000 cm |
| **Package 2 Weight** | 14.791 kg |
| **Unit Type of Package 3** | P06 |

| | |
|---|---|
| **Number of Units in Package 3** | 256 |
| **Package 3 Height** | 75.000 cm |
| **Package 3 Width** | 60.000 cm |
| **Package 3 Length** | 80.000 cm |
| **Package 3 Weight** | 245.156 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 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 | **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 Again

### Repack and remanufacture

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