

## INDUSTRIAL COMPONENT DATA

# 1SAM451000R1012 ABB MS165-20 Manual Motor Starter

Brand: ABB | Manufacturer Part Number: 1SAM451000R1012



|                 |                                  |
|-----------------|----------------------------------|
| Manufacturer    | ABB                              |
| MPN / Reference | 1SAM451000R1012                  |
| Catalog number  | 451000                           |
| Category        | Motor protection circuit-breaker |
| Minimum order   | 1 Pcs                            |
| Document ID     | EO-9B0050F7AC                    |
| Generated       | 2026-08-01                       |

## Product Overview

MS165-20 Manual Motor Starter  
MS165-20 MOTOR GUARD REG. 14-20A  
MS165-20 Manual Motor Starter 14 ... 20 A

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path      ABB > Electronic motor protection relays > Mx116 and Mx132

## Additional Product Information

## Ordering

Minimum Order Quantity 1 piece

Customs Tariff Number 85362010

## Popular Downloads

Data Sheet, Technical Information 2CDC131083D0201

Instructions and Manuals 2CDC131081M6801

Instructions and Manuals (Part 2) 2CDC131060M0202

Ex Operating Instructions 2CDC131087M6801

Time-Current Characteristic Curve 1SAM400505F0002

I<sup>2</sup>t Characteristic 1SAM400506F0001

Cut-off Current Characteristic 1SAM400507F0001

CAD Dimensional Drawing 2CDC001079B0201

Dimension Diagram 1SAM400401F0001

Dimensions

Product Net Width 55 mm

Product Net Height 142.65 mm

Product Net Depth / Length 122.1 mm

Product Net Weight 0.95 kg

#### Technical

Rated Service Short-Circuit Breaking Capacity (Ics) (230 V AC) 100 kA

(250 V DC) 3 Poles in Series 100 kA

(400 V AC) 100 kA

(440 V AC) 75 kA

(500 V AC) 40 kA

(690 V AC) 10 kA

Rated Ultimate Short-Circuit Breaking Capacity (Icu) (230 V AC) 100 kA

(250 V DC) 100 kA

(400 V AC) 100 kA

(440 V AC) 75 kA

(500 V AC) 40 kA

(690 V AC) 10 kA

Rated Instantaneous Short-Circuit Current Setting (Ii) 300 A

Setting Range 14 ... 20 A

Rated Operational Power AC-3 (Pe) (400 V) Three Phase 7.5 kW

Rated Operational Power AC-3e (Pe) (400 V) Three Phase 7.5 kW

Rated Operational Voltage Main Circuit 690 V AC

Main Circuit 250 V DC

Rated Operational Current (Ie) 20 A

Rated Operational Current AC-3 (Ie) 20 A

Rated Operational Current AC-3e (Ie) 20 A

Rated Operational Current DC-5 (Ie) 20 A

Rated Frequency (f) Main Circuit 50 Hz

Main Circuit 60 Hz

Operating Frequency (fsw) 0 ... 415 Hz

Rated Impulse....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send ABB / 1SAM451000R1012 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

#### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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