

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	2026-07-31

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

I²t 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 or use 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.