

PRODUCT-DETAILS

M203-16A

M203-16A Miniature Circuit Breaker - 3P - 16 A



General Information	
Extended Product Type	M203-16A
Product ID	2CDA283799R0161
EAN	4016779614979
Catalog Description	M203-16A Miniature Circuit Breaker - 3P - 16 A
Long Description	M203- 16A Miniature Circuit Breaker OM 16A,3P

Technical	
Standards	IEC/EN 60947-2
Rated Operational Voltage	acc. to IEC 60898-1 230 V acc. to IEC 60947-2 400 V AC
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U _{imp})	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Input Voltage Type	AC
Rated Current (I _n)	16 A
Rated Short-Circuit Capacity	(230 V AC) 12.5 kA
Rated Ultimate Short-Circuit Breaking	(400 V AC) 25 kA (400 V) 6 kA

Capacity (I _{cu})	
Rated Conditional Short-Circuit Current (I _{nc})	(230 V) 25 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs})	(230 V AC) 12.5 kA (400 V AC) 12.5 kA
Rated Frequency (f)	50 / 60 Hz 50 ... 60 Hz
Power Loss	7.5 W at Rated Operating Conditions per Pole 2.5 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Mechanical Endurance	20000 cycle
Number of Protected Poles	3
Number of Poles	3
Overvoltage Category	III
Tightening Torque	2.8 N·m
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Housing Material	Insulation Group I, RAL 7035
Options Provided	Magnetic only protection
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position	any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Busbar 10 / 10 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 16 mm ² Rigid 0.75 ... 25 mm ² Stranded 0.75 ... 25 mm ²
Installation Size	acc. to DIN 43880 1
Terminal Type	Screw Terminals

Material Compliance	
RoHS Information	2CDK403009D2703
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20200320
REACH Declaration	9AKK108468A9644
REACH Information	False - does not contains substances > 0.1 mass percentage
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
SCIP	77ed95b2-329d-4f84-b101-3ecf65d77754 Germany (DE)

Environmental	
Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Degree of Protection	IP20

	IP40
	Enclosure with Cover IP40
Pollution Degree	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations	20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz
Resistance to Shock acc. to IEC 60068-2-27	30g 2 shocks 13 ms
Environmental Information	9AKK107680A6947

Dimensions

Width in Number of Modular Spacings	3
Product Net Width	52.5 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.42 kg
Pole Net Weight	0.14 kg
Built-In Depth (t ₂)	69 mm

Ordering

Package Level 1 Units	carton 1 piece
Package Level 1 Gross Weight	0.45 kg
Replacement Product ID (NEW)	2CDA383799R0161

Certificates and Declarations

Certification Agency	EN IEC
Declaration of Conformity - CE	2CDK403009D2703

Installation

Instructions and Manuals	9AKK107046A9501
--------------------------	-----------------

Popular Downloads

Data Sheet, Technical Information	4TRC000000D1901
-----------------------------------	-----------------

Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

WEEE B2C / B2B	Business To Business
CN8	8536 20 10
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers
Object Classification Code	F

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs

