

# MINIATURE CIRCUIT BREAKERS

## SU 200 MR series of System pro M compact® DC Applications



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01 SU 200 MR series  
MCBs in 1-pole and  
2-pole version

### Application

SU 200 MR MCBs can be used in the 1-pole version up to 48 V DC, and in the 2-pole version with series connection of two poles up to 96 V DC.

If voltages to earth exceeding 48 V DC occur, the 2-pole version of SU 200 MR is to be used for 1-pole disconnection.

SU 200 MR is a high-performance circuit breaker with ring cable lug connections compliant with UL, CSA and IEC standards.

The integrated captive connecting screws simplify the connection of electric lines with extra protection and time saving. As part of the proven product range System pro M compact®, SU 200 MR can be combined with most of the UL 489 and CSA 22.2 No. 5 approved components.

### During installation

During the installation process polarity does not need to be taken into consideration, the outgoing circuit may be implemented from above or below the device.

For voltage exceeding 48 V DC up to 96 V DC series connection of two poles is required.

### SU 201 MR, SU 202 MR, SU 203 MR, SU 204 MR in K characteristic from 0.2 to 63 A

#### Data acc. to UL / CSA

Rated voltage	1P: 277 V AC ( $\leq 35$ A); 240 V AC ( $> 35$ A)
	2P, 3P, 4P: 480Y/277 V AC ( $\leq 35$ A); 240 V AC ( $> 35$ A)
Rated interrupting capacity acc. to UL 489	1P: 48VDC; 2P: 96V DC (2p in series)
	10 kA

### Example for permissible voltages between the conductors depending on the number of poles and circuit layout

Voltage between conductors	$U_n$	48 V–	96 V–	96 V–	96 V–
Voltage between conductor and earth	$U_n$	48 V–	48 V–	96 V–	48 V–
MCB		1-pole	2-pole	2-pole	2-pole
Supply from bottom		SU 201 MR	SU 202 MR	SU 202 MR	SU 202 MR
Supply from top					

### Examples for different voltage levels between conductor and earth in the case of identical voltage between conductors

Voltage between conductors	$U_n$	96 V– all-pole disconnection	96 V– 1-pole disconnection
Voltage between conductor and earth	$U_n$	48 V– circuit symmetrically earthed	96 V– circuit unsymmetrically earthed
MCB		2-pole	2-pole
		SU 202 MR	SU 202 MR