

MINIATURE CIRCUIT BREAKERS

ST 200 M series of System pro M compact® DC Applications



The ST 200 M miniature circuit breaker provides supplementary protection acc. to UL 1077 up to 480 Y/277 V AC and 125 V DC. With a broad range of options and approvals acc. to the international standards UL, CSA and IEC, the ST 200 M is ideal for multiple applications and markets. It is also fully compatible with System pro M compact® accessories.

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01 ST 200 M series
MCBs in 1-pole and
2-pole version

Application

ST 200 M MCBs can be used in the 1-pole version up to 60 V DC, and in the 2-pole version with series connection of two poles up to 125 V DC.

If voltages to earth exceeding 60 V DC occur, the 2-pole version of ST 200 M is to be used for 1-pole disconnection.

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 60 V DC up to 125 V DC series connection of two poles is required.

ST 201 M, ST 202 M, ST 203 M, ST 204 M in B, C, D, K or Z characteristics from 0.5 to 63 A

Data acc. to UL / CSA

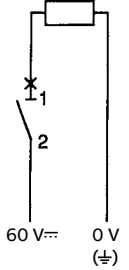
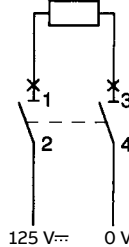
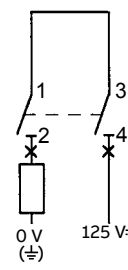
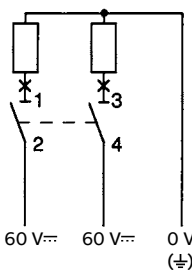
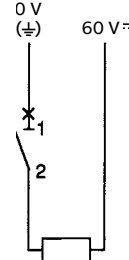
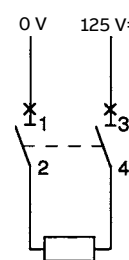
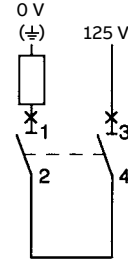
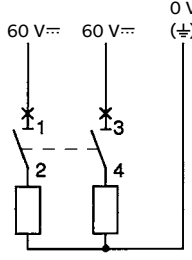
Rated voltage

1P: 60 V DC, 1P+N: 277 V AC; 240 V AC
2P, 3P, 3P+N, 4P: 480Y / 277 V AC; 204 V AC
1P: 60 V DC; 2P: 125 V DC (2p in series)

Rated interrupting capacity acc. to UL 1077

480Y / 277 V AC: ≤ 32A: 10 kA; > 32A: 5 kA;
240V AC: 10 kA
60 / 125 V DC: 0.5...63A: 10 kA

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

Voltage between conductors	Un	60 V–	125 V–	125 V–	125 V–
Voltage between conductor and earth	Un	60 V–	60 V–	125 V–	60 V–
MCB		1- pole	2-pole	2-pole	2-pole
Supply from bottom		ST 201 M	ST 202 M	ST 202 M	ST 202 M
					
Supply from top					

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

Voltage between conductors	Un	125 V– all-pole disconnection	125 V– 1-pole disconnection
Voltage between conductor and earth	Un	60 V– circuit symmetrically earthed	125 V– circuit unsymmetrically earthed
MCB		2-pole	2-pole
		ST 202 M	ST 202 M
		