



Straight joints MCB 72.5, MCB 123, MCB 126, MCB 145, MCB 170, MCB 245, MCB 252, MCB 362, MCB 420, MCB 550

Technical data

		MCB 72.5	MCB 123	MCB 126	MCB 145	MCB 170	MCB 245	MCB 252	MCB 362	MCB 420	MCB 550
Phase to ground voltage U ₀	kV	36	64	64	76	87	127	127	190	220	290
Rated voltage	kV	66	110	110	132	150	220	220	330	380	500
Maximum system voltage	kV	72.5	123	126	145	170	245	252	362	420	550
Cable conductor cross-section range	mm ²	95 ÷ 1600	185 ÷ 2500	185 ÷ 2500	185 ÷ 2500	185 ÷ 2500	400 ÷ 2500	400 ÷ 2500	500÷3000	500÷3000	800÷3000
Maximum cable oversheath diameter	mm	120	150	150	150	150	150	150	170	170	170
Maximum prepared insulation diameter	mm	75	93	93	93	93	110	110	140	140	140
AC voltage withstand test		90 kV for 30 min	160 kV for 30 min	160 kV for 30 min	190 kV for 30 min	218 kV for 30 min	318 kV for 30 min	318 kV for 30 min	420 kV for 60 min	440 kV for 60 min	580 kV for 60 min
Partial discharge level		<5 pC at 54 kV	<5 pC at 96 kV	<5 pC at 96 kV	<5 pC at 114 kV	<5 pC at 131 kV	<5 pC at 190 kV	<5 pC at 190 kV	<5 pC at 285 kV	<5 pC at 330 kV	<5 pC at 435 kV
Lightning impulse voltage (10+/10-impulses)		325 kV	550 kV	550 kV	650 kV	750 kV	1050 kV	1050 kV	1175	1425	1550
Switching impulse voltage (10+/10-impulses)		-	-	-	-	-	-	-	950	1050	1175
Test voltages of the cross-bonding joints	kV	30	37.5	37.5	37.5	37.5	47.5	47.5	62.5	62.5	72.5
Test voltages between transposition wires	kV	60	75	75	75	75	95	95	125	125	145
Nominal operating current		Limited by cable specification									
Operational temperature		-45/+50°C	-45/+50°C	-45/+50°C	-45/+50°C	-45/+50°C	-45/+50°C	-45/+50°C	-45/+50°C	-45/+50°C	-45/+50°C

Dimensions and weight

		MCB 72.5	MCB 72.5 X/X1	MCB 123/126/ 145/170	MCB 123/126/ 145/170 X/X1	MCB 245	MCB 245 X/X1	MCB 362/420/550 CP	MCB 362/420/550 CXP
Lengths	mm	1800	2200/1800	2200	2450/2200	2450	2450	2650	2650
Net weight (appr)	kg	34	50	38	59	75	110	215	215

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