

Outdoor terminations MKB 72.5, MKB 123, MKB 126, MKB 145, MKB 170, MKB 245, MKB 252, MKB 362, MKB 420, MKB 550

Technical data

		MKB 72.5	MKB 123	MKB 126	MKB 145	MKB 170	MKB 245	MKB 252	MKB 362	MKB 420	MKB 550
Phase to ground voltage U0	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	115	124 (optionally 140)	124 (optionally 140)	124 (optionally 140)	124 (optionally 140)	124 (optionally 140)	124 (optionally 140)	170	170	170
Maximum prepared insulation diameter	mm	75	93	93	93	95	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 discharges		<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
Impulse voltage (10+/10- impulses)	kV	325	550	550	650	750	1050	1050	1175	1425	1550
Switching impulse voltage (10+/10- impulses)		-	-	-	-	-	-	-	950	1050	1175
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

		MKB 72.5		MKB 123		MKB 126	
Hollow-core insulator type		comp.	porc.	comp.	porc.	comp.	porc.
Termination length (L)	mm	770	778	1240	1240	1280	1280
Overall height	mm	1137	1141	1619	1619	1647	1647
Creepage distance	mm	2350	3695	3460	4025	3150	3905
Pollution level in accordance with IEC 60815		IV	IV	III	IV	III	IV
Net weight (appr.)	kg	50	98	115	117	332	362
Maximum allowed load on top connector	kN	4	4	3,5	3,5	2,8	2,8

		MKB 145		MKB 170	
Hollow-core insulator type		comp.	porc.	comp.	porc.
Termination length (L)	mm	1565	1550	1552	1590
Overall height	mm	1744	1769	1817	1817
Creepage distance	mm	3870	4605	3625	4495
Pollution level in accordance with IEC 60815		III	IV	III	IV
Net weight (appr.)	kg	121	124	355	385
Maximum allowed load on top connector	kN	3,2	3,2	2,8	2,8

		MKB 245		MKB 252	
Hollow-core insulator type		comp.	porc.	comp.	porc.
Termination length (L)	mm	2351	2351	2300	2300
Overall height	mm	2723	2723	2674	2674
Creepage distance	mm	6548	8163	6300	7812
Pollution level in accordance with IEC 60815		III	IV	III	IV
Net weight (appr.)	kg	306	313	690	770
Maximum allowed load on top connector	kN	5	5	5	5

		MKB 362	MKB 420	MKB 550
Hollow-core insulator type		comp.	comp.	comp.
Termination length (L)	mm	3506	4388	5432
Overall height	mm	4009	4891	5935
Creepage distance	mm	12500	16400	20700
Pollution level in accordance with IEC 60815		IV	IV	IV
Net weight (appr.)	kg	865	1000	1240
Maximum allowed load on top connector	kN	5	5	5

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