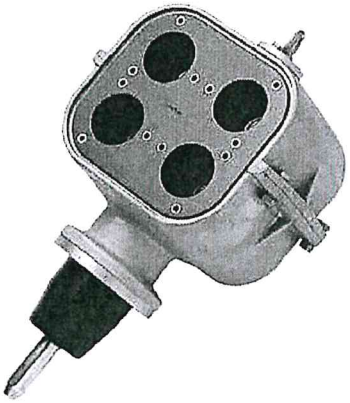
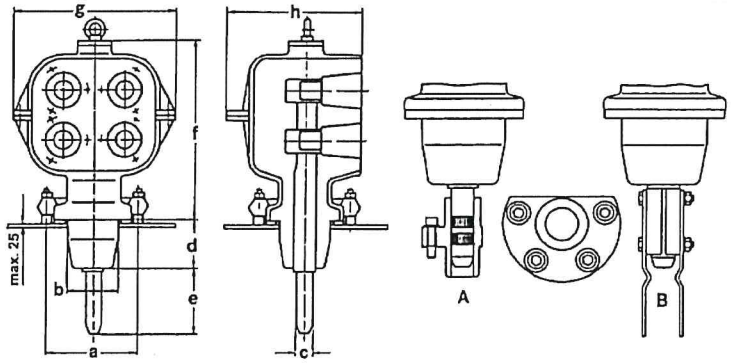
MV-CONNEX Quadruple-Contact Elbow Bushings, up to 52 kV

For plug-in and clamping type construction respectively.
With aluminium housing.

A Plug-in type connecting part.
B Clamping type connecting part (supplied by the transformer manufacturer)





No.	Size	Max. operating voltage	max. rated current with plug-in type connection in transformer - type A	max. rated current with clamped connection in transformer - type B	a	b	c	d	e	f	g	Cone
		U_m (kV)	max. I_N (A)	max. I_N (A)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
827 124 715	2	36	1250	1250	180	110	30	125	90	387	345	slim
827 124 723	2	36	2200	3150	200	135	35	125	125	387	345	standard
827 124 823	2	36	2200	3150	200	135	35	300	125	387	345	long*)
827 124 716	2	42	1250	1250	180	110	30	125	90	387	345	slim
827 124 727	2	42	2200	3150	200	135	35	125	125	387	345	standard
827 124 827	2	42	2200	3150	200	135	35	300	125	387	345	long*)
827 146 335	3	36	2200	2500	200	135	35	125	125	449	390	standard
827 146 835	3	36	2200	2500	200	135	35	300	125	449	390	long*)
827 146 336	3	42	2200	3150	200	135	35	125	125	449	390	standard
827 146 836	3	42	2200	3150	200	135	35	300	125	449	390	long*)
827 146 337	3	52	2200	3150	200	135	35	125	125	449	390	standard
827 146 837	3	52	2200	3150	200	135	35	300	125	449	390	long*)

*) For current transformers for measuring purposes

MV-CONNEX Separable Connectors, Size 3, U_m = 42 kV, I_N = 1250 A

Standard article no.



- for DIN VDE cables
- for RM-conductor (stranded circular) of aluminium or copper
- for single core cable with copper wire shield without armouring
- with sealing system (bell flange seal and shrink tubing)
- for indoor and outdoor applications
- not soil-resistant and not offshore-proof
- offshore version on request (see page 17: product configurator)
- Packaging unit: set with three separable connectors
- 3-core version on request (see page 17: product configurator)
- rotatable flange

The picture shows MV-CONNEX separable connector without voltage tap

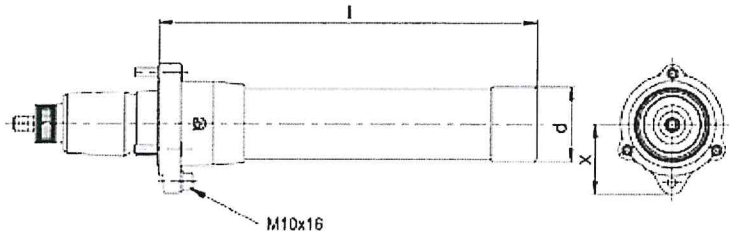
No.	No.	Max. operating voltage	for cable cross section	for diameter over conductor	Insulation thickness (nominal value)	for diameter over XLPE insulation	Rem.
with voltage tap	without voltage tap	U_m (kV)	(mm²)	(mm)	(mm)	Ø (mm)	
850 310 800	**870 310 120**	12	120	12.5 - 14.7	3.4	19.0 - 23.0	
850 310 150	**870 310 150**	12	150	13.5 - 15.7	3.4	19.0 - 23.0	
850 310 185	**870 310 185**	12	185	15.0 - 17.2	3.4	22.5 - 26.5	
850 310 240	**870 310 240**	12	240	17.5 - 19.7	3.4	24.5 - 28.5	
850 310 300	**870 310 300**	12	300	19.5 - 21.7	3.4	26.0 - 30.0	
850 310 400	**870 310 400**	12	400	22.6 - 24.8	3.4	30.0 - 34.0	
850 310 500	**870 310 500**	12	500	25.4 - 27.6	3.4	32.0 - 36.0	
850 310 630	**870 310 630**	12	630	28.9 - 31.1	3.4	36.0 - 39.5	
850 320 050	**870 320 050**	24	50	7.2 - 9.4	5.5	19.0 - 23.0	
850 320 070	**870 320 070**	24	70	9.0 - 11.2	5.5	19.0 - 23.0	
850 320 095	**870 320 095**	24	95	10.5 - 12.7	5.5	22.5 - 26.5	
850 320 120	**870 320 120**	24	120	12.5 - 14.7	5.5	22.5 - 26.5	
850 320 150	**870 320 150**	24	150	13.5 - 15.7	5.5	24.5 - 28.5	
850 320 185	**870 320 185**	24	185	15.0 - 17.2	5.5	26.0 - 30.0	
850 320 240	**870 320 240**	24	240	17.5 - 19.7	5.5	28.0 - 32.0	
850 320 300	**870 320 300**	24	300	19.5 - 21.7	5.5	30.0 - 34.0	
850 320 400	**870 320 400**	24	400	22.6 - 24.8	5.5	34.0 - 38.0	
850 320 500	**870 320 500**	24	500	25.4 - 27.6	5.5	36.0 - 39.5	
850 320 630	**870 320 630**	24	630	28.9 - 31.1	5.5	40.0 - 43.0	
850 330 050	**870 330 050**	36	50	7.2 - 9.4	8.0	22.5 - 26.5	
850 330 070	**870 330 070**	36	70	9.0 - 11.2	8.0	24.5 - 28.5	
850 330 095	**870 330 095**	36	95	10.5 - 12.7	8.0	26.0 - 30.0	
850 330 120	**870 330 120**	36	120	11.5 - 13.7	8.0	28.0 - 32.0	
850 330 150	**870 330 150**	36	150	13.5 - 15.7	8.0	30.0 - 34.0	
850 330 185	**870 330 185**	36	185	15.0 - 17.2	8.0	30.0 - 34.0	
850 330 240	**870 330 240**	36	240	17.5 - 19.7	8.0	34.0 - 38.0	
850 330 300	**870 330 300**	36	300	19.5 - 21.7	8.0	36.0 - 39.5	
850 330 400	**870 330 400**	36	400	22.6 - 24.8	8.0	38.0 - 41.0	
850 330 500	**870 330 500**	36	500	25.4 - 27.6	8.0	42.0 - 44.5	
-	**870 335 630**	36	630	28.9 - 31.1	8.0	44.5 - 47.0	(XL)
-	**870 335 631**	36	630	28,9 - 31,1	8,0	46.5 - 49.0	(XL)

CONNEX Surge Arrester, 10 kA

Technical data

Line discharge class	1	High peak current	65 kA, 4/10 µs
Energy absorption capacity	2 kJ/kV_{Ur}	Long-wave peak current	250 A, 2 ms
Rated discharge surge current	10 kA, 8/20 µs	Short-circuit withstand current	16 kA, 0,2 s
		Earth return	min. 16 mm²





No.	Size	Rated voltage	Max. continuous rating	Max. residual voltage U_{res} at			Length l	Thickness d	Dimension x	Weight
		U_r (kV)	U_c (kV)	8/20 µs/5 kA (kV)	8/20 µs/10 kA (kV)	steep impulse 1/20 µs (kV)	(mm)	(mm)	(mm)	(kg)
827 513 075	1	7,5	6	20	22	23	350	66	66	3.5
827 513 090	1	9,0	7	24	26	29	350	66	66	3.5
827 513 125	1	12,5	10	34	37	40	350	66	66	3.5
827 513 150	1	15,0	12	40	44	47	350	66	66	3.5
827 513 175	1	17,5	14	47	51	55	350	66	66	3.5
827 513 190	1	19,0	15	51	56	60	350	66	66	3.5
827 513 215	1	21,5	17	58	63	67	350	66	66	3.5
827 513 240	1	24,0	19	64	70	75	350	66	66	3.5
827 513 300	1	30,0	24	80	87	94	350	66	66	3.5
827 513 360	1	36,0	29	96	105	112	350	66	66	3.5
827 523 075	2	7,5	6	20	22	23	350	66	66	3.7
827 523 090	2	9,0	7	24	26	29	350	66	66	3.7
827 523 125	2	12,5	10	34	37	40	350	66	66	3.7
827 523 150	2	15,0	12	40	44	47	350	66	66	3.7
827 523 175	2	17,5	14	47	51	55	350	66	66	3.7
827 523 190	2	19,0	15	51	56	60	350	66	66	3.7
827 523 215	2	21,5	17	58	63	67	350	66	66	3.7
827 523 240	2	24,0	19	64	70	75	350	66	66	3.7
827 523 300	2	30,0	24	80	87	94	350	66	66	3.7
827 523 360	2	36,0	29	96	105	112	350	66	66	3.7
827 527 450	2	45,0	36	120	131	140	500	98	66	4.4
827 527 510	2	51,0	40.8	134	147	158	500	98	66	4.4
827 527 525	2	52,5	42	139	152	163	500	98	66	4.4
827 537 075	3	7,5	6	20	22	23	490	98	80	5.2
827 537 091	3	9,0	7	24	26	29	490	98	80	5.2
827 537 125	3	12,5	10	34	37	40	490	98	80	5.2
827 537 150	3	15,0	12	40	44	47	490	98	80	5.2
827 537 175	3	17,5	14	47	51	55	490	98	80	5.2
827 537 190	3	19,0	15	51	56	60	490	98	80	5.2
827 537 215	3	21,5	17	58	63	67	490	98	80	5.2
827 537 240	3	24,0	19	64	70	75	490	98	80	5.2
827 537 300	3	30,0	24	80	87	94	490	98	80	5.2
827 537 360	3	36,0	29	96	105	112	490	98	80	5.2
827 539 450	3	45,0	36	120	131	140	490	98	80	5.2
827 539 510	3	51,0	40.8	134	147	158	490	98	80	5.2
827 539 525	3	52,5	42	139	152	163	490	98	80	5.2