



MICROELETRTRICA SCIENTIFIGA
M.S. RESISTANCES

Damping Resistors

O/Ref	Qty	R n Ω	Power kW	BIL kV	Project
O DA 07-01-005	120	2	3	40	Ripple Filter
O DA 04-04-004	6	4,6	4	40	Severgal (Russia)
O DA 01-02-001	2	0,075	4,7	40	United Kingdom
O DA 05-01-009	1	10,8	14	40	Aceralia / Tren Tandem
O DA 06-04-009	1	0,5	55	40	Lebanon
O DA 02-05-002	7	5,9	180	40	Vega
O DA 08-06-006	1	5,9	180	40	Aceralia / Brazil
O DA 03-10-003	8	2	1,6MJ	40	Severgal
O DA 01-09-003	8	10,8	18MJ	40	Aceralia / Tren Tandem
O DA 02-11-006	1	10,8	18MJ	40	Aceralia / Tren Tandem
O DA 08-06-006	1	10,8	18MJ	40	Aceralia / Brazil
O DA 02-05-001	2	20	2,25MJ	40	Switzerland
O DA 02-05-007	2	75	36,3kJ	40	Switzerland
O DA 06-04-008	3	1	400kJ	40	Sinus Filter
O DA 09-12-007	1	2	1,7	50	-
O DA 03-07-002	3	780	1,8	60	Emals
O DA 01-02-004	1	2,64	2,9	60	JM Abestos / Canada
O DA 03-12-010	6	157	4,57	60	Cepsa / Tenerife
O DA 12-03-018	1	157	4,6	60	Cepsa Refineria Tenerife
O DA 04-02-011	3	13,6	7	60	Shell
O DA 03-06-002	6	4,18	7,3	60	Seasy Zaporozh
O DA 02-06-001	3	13	10	60	El Teniente / Chile
O DA 09-03-011	3	9	14	60	Thermodyn
O DA 01-06-001	2	32,1	18,2	60	Vesslefrikk / Norway
O DA 01-06-001	2	7,1	19,6	60	Vesslefrikk / Norway
O DA 03-04-002	2	160	20	60	Ras Laffan
O DA 05-02-003	6	16/10	20	60	Ras Laffan 4
O DA 05-08-011	6	1,246	84	60	Cable Test Bank (Norway)
O DA 04-04-003	3	1,1/2,2	25/50	60	Cable Test Bank (Norway)
O DA 07-01-005	40	3000	34kJ	60	Capacitor Discharge
O DA 06-07-001	1	15000	34kJ	60	Black Swan
O DA 12-06-005	2	0,1	50kApeak - 1MJ	60	Crowbar Discharge
O DA 11-06-007	16	48	1,7	75	Baltic Countries
O DA 11-10-009	10	48	1,7	75	Baltic Countries
O DA 03-07-006	1	1,6	4,8	75	Arbed / Luxemburg
O DA 07-11-005	3	40	7	75	Plansee / Austria
O DA 07-11-003	10	60	8	75	Pluto / Austria
O DA 11-06-006	6	3,35	8,08	75	Han Yang / China
O DA 00-03-003	7	6,5	10	75	Switzerland
O DA 11-03-007	3	35	10	75	Posco
O DA 07-11-003	10	50	10	75	Pluto / Austria
O DA 02-04-002	3	180	10	75	BarraCarra
O DA 02-04-002	3	250	10	75	BarraCarra
O DA 07-08-003	4	26	11,2	75	UTE Saih Rawl (Emirates)
O DA 03-12-010	3	132	11,9	75	Cepsa / Tenerife
O DA 00-12-001	6	12	12	75	South Africa
O DA 02-02-007	3	10	15	75	Petrobaras / Alba Cora
O DA 08-07-007	6	250	15	75	Misr Beni Suef Cement Plant / Egypt
O DA 09-07-009	6	250	15	75	Misr Beni Sueff II - Cement Plant / Egypt
O DA 06-10-001	3	2x40	15	75	Jisico (Jordan)
O DA 00-04-001	3	10	16	75	CRM 200 - Taiwan
O DA 03-10-007	1	10	16	75	CRM 200 - Taiwan
O DA 07-08-003	4	1,2	17,5	75	UTE Saih Rawl (Emirates)
O DA 08-07-012	9	26,13	20	75	Shann-Jing 2nd Gas Pipeline / China



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O DA 04-07-009	9	30	20	75	Orme Lange (Norway)
O DA 02-04-002	3	45	20	75	BarraCarra
O DA 03-08-009	3	8,7	30	75	Finland
O DA 07-10-006	3	8,7	30	75	Corus Port Talbot / UK
O DA 02-02-007	3	15	30	75	Petrobaras / Alba Cora
O DA 00-04-001	3	20	32	75	CRM 200 - Taiwan
O DA 03-10-007	1	20	32	75	CRM 200 - Taiwan
O DA 04-07-009	9	5	40	75	Orme Lange (Norway)
O DA 08-07-012	9	11,87	43	75	Shann-Jing 2nd Gas Pipeline / China
O DA 00-04-001	3	28	45	75	CRM 200 - Taiwan
O DA 03-10-007	1	28	45	75	CRM 200 - Taiwan
O DA 03-05-003	3	2x80	50	75	Rautaruukki
O DA 08-12-003	6	4,78	57,8	75	Cable Test Bank (Norway)
O DA 09-05-006	2	4,78	57,8	75	Cable Test Bank (Norway)
O DA 06-10-001	3	2x4	100	75	CER Steel SVC
O DA 06-06-005	2	0,09	109	75	LNG / yemen
O DA 09-01-001	3	0,84	120	75	LKAV / Czech
O DA 07-11-003	10	40/80	8/4	75	Pluto / Austria
O DA 08-07-007	6	30/40	30/25	75	Misr Beni Suef Cement Plant / Egypt
O DA 09-07-009	6	30/40	30/25	75	Misr Beni Sueff II - Cement Plant / Egypt
O DA 05-08-002	3	55	6	90	Nongbo / China
O DA 03-10-011	2	302	1,2	95	Zaventem / Belgium
O DA 03-10-011	2	151	2,3	95	Zaventem / Belgium
O DA 12-09-013	1	275	4	95	STX / France
O DA 08-11-007	3	20	5	95	EAF RC Circuit
O DA 12-06-015	6	11,7	6	95	Musselwhite SVC-Q / Canada
O DA 09-03-002	6	13,3	10,1	95	Usiminas / Brazil
O DA 02-06-004	1	6,7	13,8	95	Alcoa
O DA 05-02-004	3	150	15	95	Troll 6th Filter / Norway
O DA 06-02-008	3	36	18	95	Culiacan SVC
O DA 07-01-004	6	44,4	23,5	95	Hull 6151 (Cruise Vessel)
O DA 09-04-006	1	44,4	23,5	95	Cruise Vessel
O DA 09-07-005	6	44,4	23,5	95	Cruise Vessel
O DA 10-07-008	6	44,4	23,5	95	Cruise Vessel
O DA 10-10-006	3	44,4	23,5	95	Cruise Vessel
O DA 10-12-006	1	44,4	23,5	95	Cruise Vessel
O DA 04-06-004	3	20	25	95	Tai'an PRC (China)
O DA 04-08-007	3	28	30	95	El Teniente - Phase II (Chile)
O DA 07-01-004	6	60	31,7	95	Hull 6151 (Cruise Vessel)
O DA 09-04-006	1	60	31,7	95	Cruise Vessel
O DA 09-07-005	6	60	31,7	95	Cruise Vessel
O DA 10-07-008	6	60	31,7	95	Cruise Vessel
O DA 10-10-007	3	60	31,7	95	Cruise Vessel
O DA 10-12-006	1	60	31,7	95	Cruise Vessel
O DA 03-10-006	3	8,16	33,2	95	China
O DA 06-12-006	3	2x94	35	95	El Foulah (Tunisia)
O DA 06-02-008	3	26	70	95	Culiacan SVC
O DA 12-06-015	6	40,1	70	95	Musselwhite SVC-Q / Canada
O DA 04-10-002	3	3x100	75	95	Marocco
O DA 09-11-002	3	2x20	100	95	Med-Steel / Syria
O DA 09-11-002	3	35+35	180+100	95	Med-Steel / Syria
O DA 10-11-002	3	22+22	50+50	95	Stahl Gerlafingen / Switzerland
O DA 12-12-009	3	13,52	15,9	110	Evraz SVC (Saskatchewan) / Canada
O DA 12-12-009	3	33,06	48,3	110	Evraz SVC (Saskatchewan) / Canada



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O/Ref	Qty	R n Ω	Power kW	BIL kV	Project
O DA 12-12-009	3	52,65	202,9	110	Evrax SVC (Saskatchewan) / Canada
O DA 11-06-009	4	800	0,15	125	Finland
O DA 10-06-011	6	851	2,46	125	Baum Garten / Austria
O DA 13-05-005	1	2	5	125	AFV Acciairie Beltrame / Italy
O DA 03-12-009	3	210	5,25	125	Tongbai
O DA 07-07-007	6	274	5,6	125	GDF - Evry (France)
O DA 07-07-007	6	191	6,9	125	GDF - Courthezon (France)
O DA 07-07-007	6	191	6,9	125	GDF - Auvers (France)
O DA 10-06-011	6	60	7,8	125	Baum Garten / Austria
O DA 05-01-004	12	86,14	8,8	125	Nordural / Iceland
O DA 12-09-006	3	52,18	9,2	125	Nordural / Iceland
O DA 04-06-007	3	100	10,5	125	Chemery (France)
O DA 10-03-003	3	251	11,95	125	Thai Somboon Steel (TSB) / Thailand
O DA 13-03-012	3	251	11,95	125	Thai Somboon Steel / Thailand
O DA 13-04-008	3	97,31	13,3	125	Nawaloha / thailand
O DA 12-02-009	6	9,4	13,5	125	FPC FuHsin Stainless Steel Filter / China
O DA 12-09-006	3	9,17	16	125	Nordural / Iceland
O DA 13-04-008	3	137,9	18,1	125	Nawaloha / thailand
O DA 11-04-002	3	38	18,4	125	-
O DA 00-12-002	3	4	20	125	Minera Escondida
O DA 05-09-001	3	20	20	125	ESBI
O DA 13-03-012	3	110	20,7	125	Thai Somboon Steel / Thailand
O DA 10-03-003	3	110	21	125	Thai Somboon Steel (TSB) / Thailand
O DA 05-01-004	12	1375	21,8	125	Nordural / Iceland
O DA 00-08-006	3	230	23	125	Elval - Greece
O DA 05-11-001	3	230	23	125	Greece
O DA 07-12-006	3	38,1	23,8	125	Chow Steel / Thailand
O DA 13-04-008	3	61,3	25	125	Nawaloha / thailand
O DA 04-01-003	6	81	25	125	GDF Roussine / Lanouvelotte - France
O DA 06-12-002	1	81	25	125	GDF Lanouvelotte (France)
O DA 10-03-003	3	45,2	26,25	125	Thai Somboon Steel (TSB) / Thailand
O DA 13-03-012	3	45,2	26,25	125	Thai Somboon Steel / Thailand
O DA 05-02-002	3	8	30	125	ISP Cremona
O DA 07-04-010	2	128	30	125	GDF Lanouvelotte II (France)
O DA 07-06-005	3	114	31,2	125	Codelco / Gaby (Chile)
O DA 13-04-005	3	8,5	34,92	125	Nordural / Iceland
O DA 04-11-001	3	15	36	125	Hanwah (Korea)
O DA 04-04-001	3	24,98	37,9	125	Rafnes (Norway)
O DA 03-10-008	3	20	40,5	125	Talum Kidricevo
O DA 11-11-001	3	169	41,4	125	KPP Steel / Thailand
O DA 07-06-005	3	129	44,8	125	Codelco / Gaby (Chile)
O DA 08-07-013	3	2x536	48,9	125	Asia Special Steel
O DA 05-02-002	3	2x140	50	125	ISP Cremona
O DA 05-02-002	3	2x70	50	125	ISP Cremona
O DA 08-02-003	3	2x340	55,1	125	Siam Yamato SVC / Thailand
O DA 01-07-003	3	145	58	125	Lung Ching Steel
O DA 09-01-002	3	2x374	60	125	Pilsen Steel / Czech
O DA 04-03-012	3	17,5	60,5	125	Arcelor Tandem - Florange (France)
O DA 05-01-008	1	36	60,5	125	Arcelor Tandem / Florange
O DA 08-07-013	3	100	62,5	125	Asia Special Steel
O DA 01-09-004	18	30	64	125	Ardal IIC
O DA 08-06-015	3	30	64	125	Hydro Ardal
O DA 07-12-006	3	226,3	65,4	125	Chow Steel / Thailand
O DA 07-12-006	3	44,78	75,3	125	Chow Steel / Thailand



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O/Ref	Qty	R n Ω	Power kW	BIL kV	Project
O DA 12-06-012	1	44,78	75,3	125	Chow Steel / Thailand
O DA 06-04-011	3	2x392	88	125	Halyvourgiki / Greece
O DA 08-02-003	3	39	90	125	Siam Yamato SVC / Thailand
O DA 11-04-007	6	60	99,9	125	Jurupari, Macapa & Oriximina SVCs / Brazil
O DA 05-12-001	3	30	100	125	Vitkovice
O DA 05-02-002	3	2x700	100	125	ISP Cremona
O DA 11-04-007	6	60	138	125	Jurupari, Macapa & Oriximina SVCs / Brazil
O DA 04-07-014	3	29	150	125	Badische Stalwerke / Kehl (Germany)
O DA 08-05-004	3	2x298	150	125	Smorgon Steel / Australia
O DA 05-04-010	3	2x121	161	125	Tung Ho / Taiwan
O DA 11-04-007	6	60	173	125	Jurupari, Macapa & Oriximina SVCs / Brazil
O DA 05-12-001	3	2x56	180	125	Vitkovice
O DA 06-06-006	3	2x84	220	125	Balboa II / Spain
O DA 05-04-010	3	30	234	125	Tung Ho / Taiwan
O DA 05-02-002	3	12	1000A/4sec	125	ISP Cremona
O DA 00-03-004	3	0,8	16,5MJ	125	Italy
O DA 12-06-005	2	1	16kApeak - 2,1MJ	125	Crowbar Discharge
O DA 12-10-002	3	180+50	40+80	125	Oman
O DA 12-06-005	2	35	685Apeak - 3,5MJ	125	Crowbar Discharge
O DA 10-07-014	6	10	14	145	Oman Industrial Complex / Oman
O DA 10-07-014	6	150	18	145	Oman Industrial Complex / Oman
O DA 10-07-014	6	50	20	145	Oman Industrial Complex / Oman
O DA 10-07-014	6	100	25	145	Oman Industrial Complex / Oman
O DA 07-02-005	1	13	58,4	145	Leonardo (Italy)
O DA 08-11-001	3	133,29	93,6	145	Lo Toun / Taiwan
O DA 08-11-002	3	2x473	170	145	Hai Kwang / Taiwan
O DA 09-03-005	6	125	5	150	Tosyali Arc Furnace
O DA 13-05-005	4	80	6	150	AFV Acciairie Beltrame / Italy
O DA 09-03-005	3	20	15	150	Tosyali Arc Furnace
O DA 08-04-006	6	20,8	35	150	Parkdale SVCs / USA
O DA 08-10-005	3	20,8	35	150	Renner Road 1 (Oncor) / USA
O DA 09-03-012	3	20,8	35	150	Renner Road 2 (Oncor) / USA
O DA 04-12-001	3	50,2	40,5	150	Toshiba / Mitsubishi
O DA 07-01-007	3	259	65,4	150	Oji Paper - Tomakomai Mill / Hokkaido (Japan)
O DA 08-02-016	3	30	80	150	Yesilyurt SVC / Turkey
O DA 07-10-007	6	100	90	150	Nursan SVC / Turkey
O DA 08-02-016	3	100	90	150	Yesilyurt SVC / Turkey
O DA 12-01-008	1	100	90	150	Nursan SVC / Turkey
O DA 10-02-005	3	220	100	150	Jordan Steel / Jordan
O DA 08-02-015	3	2x50	100	150	Vicenza / Italy
O DA 08-04-008	6	100	110	150	Tosyali SVC / Turkey
O DA 07-10-007	3	15	120	150	Nursan SVC / Turkey
O DA 12-01-008	1	15	120	150	Nursan SVC / Turkey
O DA 08-04-008	3	2x40	120	150	Tosyali SVC / Turkey
O DA 09-11-001	3	2x200	150	150	Ozkan Steel / Turkey
O DA 09-11-001	3	2x50	150	150	Ozkan Steel / Turkey
O DA 08-02-015	3	2x70	200	150	Vicenza / Italy
O DA 04-02-008	3	240	271	150	Japan Railways
O DA 08-02-016	3	1x160	300	150	Yesilyurt SVC / Turkey
O DA 08-02-015	3	2x100	300	150	Vicenza / Italy
O DA 12-01-008	1	2x120	300	150	Nursan SVC / Turkey
O DA 08-04-008	3	2x150	300	150	Tosyali SVC / Turkey
O DA 07-10-007	3	2x60	300	150	Nursan SVC / Turkey
O DA 09-11-001	3	2x90	400	150	Ozkan Steel / Turkey



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O/Ref	Qty	R n Ω	Power kW	BIL kV	Project
O DA 11-12-005	6	100	0,01	170	Abul Khair / Bangladesh
O DA 10-01-004	6	939	0,9	170	Neustift Compressor / Austria
O DA 09-07-003	6	939	0,94	170	RAG-CAC ~ 7 Fields / Austria
O DA 06-12-007	6	125	1	170	CER Steel SVC
O DA 06-12-007	6	175	2,5	170	CER Steel SVC
O DA 04-08-006	6	182,5	3	170	Adco - Al Dabbiya (Saudi Arabia) (IP55 Design)
O DA 06-10-001	3	250	3	170	Cojco (Jordan)
O DA 08-09-001	1	250	3	170	Cojco / Jordan
O DA 06-12-003	6	100	4	170	Turkmenistan
O DA 03-08-006	6	949	5	170	LNG / Nigeria
O DA 05-10-001	3	949	5	170	Bonny Train / Nigeria
O DA 00-11-004	3	150	5,4	170	Botlek / Netherlands
O DA 03-05-001	4	50	6	170	Antara Steel Mill
O DA 04-04-006	2	100	6	170	Turkey
O DA 07-05-001	3	100	6	170	Turkey
O DA 13-05-004	3	60,09	6,4	170	LG Chemical / Korea
O DA 06-12-007	6	75	6,6	170	SIVAS Steel
O DA 03-11-005	3	60	7	170	Albania
O DA 08-09-002	3	60	7	170	Albania
O DA 06-10-001	3	100	7,5	170	Cojco (Jordan)
O DA 08-09-001	1	100	7,5	170	Cojco / Jordan
O DA 00-08-001	3	70	10	170	Luxembourg
O DA 03-10-005	7	100	10	170	Turkey
O DA 07-04-006	7	150	10	170	Izmir Demir Celik
O DA 13-03-003	1	150	10	170	Izmir Demir Celik RC Filter
O DA 04-08-006	6	473	14	170	Adco - Al Dabbiya (Saudi Arabia) (IP55 Design)
O DA 10-01-004	6	205	14,1	170	Neustift Compressor / Austria
O DA 09-07-003	6	205	14,6	170	RAG-CAC ~ 7 Fields / Austria
O DA 06-10-001	3	100	15	170	Jisico (Jordan)
O DA 06-02-004	3	60	16	170	
O DA 05-04-003	12	647	16	170	Rumaiitha / Emirates
O DA 04-09-004	3	152	22,3	170	Adco - Bu Hase (Saudi Arabia)
O DA 00-06-001	3	48	30	170	El Tesoro (Chile)
O DA 09-12-002	3	29,1	34	170	Cerro Navia
O DA 07-08-004	3	42	41	170	Viklandet SVC's
O DA 07-08-005	3	42	41	170	Tunsjödäl SVC's
O DA 04-08-006	6	143	41	170	Adco - Al Dabbiya (Saudi Arabia) (IP55 Design)
O DA 09-08-005	3	129,2	42,5	170	Escarcega / Mexico
O DA 07-03-002	3	66,5	45	170	La Paz - Mexico (Mexique)
O DA 10-08-004	3	2x2020	51	170	Taybah Steel Melting Plant / Egypt
O DA 11-02-006	12	234	53,1	170	Arab Vinyl (Saudi Arabia)
O DA 01-04-007	3	2x296	54	170	Ferriere / Italy
O DA 06-04-002	3	28	54,2	170	Leonardo / Italy
O DA 06-10-007	3	2x688	56	170	Ramsarup (India)
O DA 06-04-002	3	13	58,1	170	Leonardo / Italy
O DA 05-04-015	3	100	60	170	Essar / India
O DA 06-06-001	3	2x1600	60	170	Izdemir / Turkey
O DA 05-10-002	3	2x446	60	170	United Iron & Steel / Jordan
O DA 06-02-011	3	2x446	60	170	Cojco / Jordan
O DA 07-08-004	3	277	61	170	Viklandet SVC's
O DA 07-08-005	3	277	61	170	Tunsjödäl SVC's
O DA 09-12-002	3	7	66	170	Cerro Navia
O DA 06-10-001	3	40	70	170	IDC Steel
O DA 08-06-001	1	40	70	170	IDC Steel



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O/Ref	Qty	Rn Ω	Power kW	BIL kV	Project
O DA 02-12-001	6	214	70	170	Celsa / Spain
O DA 12-03-008	3	2x279	70	170	Kameri / India
O DA 09-05-008	1	2x428	70	170	Celsa / Spain
O DA 00-06-001	3	2x100	71	170	El Tesoro (Chile)
O DA 08-04-009	3	2x330	71	170	Kosco / South Korea
O DA 03-01-004	3	45,5	74	170	Ezz Hot Strip
O DA 06-03-003	3	2x458	75	170	Bergara / Spain
O DA 06-03-003	3	2x458	75	170	Madrid / Spain
O DA 11-02-006	12	342	75,5	170	Arab Vinyl (Saudi Arabia)
O DA 06-11-006	3	25	80	170	LME (France)
O DA 06-10-001	3	150	80	170	CER Steel SVC
O DA 07-08-004	3	109	89	170	Viklandet SVC's
O DA 07-08-005	3	109	89	170	Tunsjödäl SVC's
O DA 10-11-001	3	2x320	92	170	BRP Steel / Thailand
O DA 05-09-006	3	2x474	95	170	GSW Santander / Spain
O DA 05-04-012	3	2x200	97	170	Nervacero - Bilbao / Spain
O DA 06-11-006	3	100	100	170	LME (France)
O DA 06-10-001	6	120	100	170	IDC Steel
O DA 08-06-001	1	120	100	170	IDC Steel
O DA 09-03-004	3	150	100	170	GHC2 / United Arab Emirates
O DA 05-04-015	3	2x100	100	170	Essar / India
O DA 13-05-016	3	2x400	100	170	Merus Power / Finland
O DA 01-04-002	3	2x619	100	170	SN Longos SVC / Spain
O DA 07-06-001	3	45	113	170	Finnish Railways
O DA 11-01-009	2	45	113	170	Finish Raliways
O DA 12-02-008	3	45	113	170	Finish Raliways
O DA 05-07-008	3	2x168	120	170	Siderurgia - Maia / Portugal
O DA 06-09-003	3	2x190	120	170	Medan / Jakarta (Indonesia)
O DA 11-12-005	6	23,77	123,5	170	Abul Khair / Bangladesh
O DA 06-09-003	3	75	125	170	Medan / Jakarta (Indonesia)
O DA 10-10-008	3	2x602	125	170	Busan-Posco / South Korea
O DA 09-03-004	3	2x574	130	170	GHC2 / United Arab Emirates
O DA 02-11-001	3	349	135	170	Icdas SVC-Q / Turkey
O DA 04-02-010	1	349	140	170	Icdas SVC-Q / Turkey
O DA 09-03-015	3	2x376	145	170	Tung Ho Tao Yuan SVC / Taiwan
O DA 11-07-004	3	200	150	170	Baltic Countries
O DA 05-04-007	3	2x300	150	170	Qatar
O DA 07-03-009	3	2x300	150	170	Emirates
O DA 08-06-005	3	2x300	150	170	Essar - Hazira / India
O DA 09-07-014	3	2x300	150	170	ESHL ConArc 2 / india
O DA 05-04-008	3	2x340	150	170	Saudi Arabia
O DA 08-10-002	1	2x340	150	170	Saudi Arabia
O DA 05-04-015	3	6	160	170	Essar / India
O DA 08-06-013	3	2x800	160	170	Izhstal Steel Plant
O DA 06-04-004	3	211	164	170	Zaragoza / Spain
O DA 08-06-005	12	110	165	170	Essar - Hazira / India
O DA 09-07-014	3	2x220	165	170	ESHL ConArc 2 / india
O DA 10-02-009	3	2x404	173	170	Calvisano / Italy
O DA 04-05-009	3	2x200	175	170	Marocco
O DA 08-06-009	3	2x300	175	170	Aceros Steel Plant
O DA 08-11-010	3	2x300	175	170	Votorantim (Barra Mansa)
O DA 06-03-003	3	2x430	180	170	Balboa / Spain
O DA 05-04-011	3	78	183	170	Alfa Acciai / Italy
O DA 07-03-002	3	47,6	183,2	170	La Paz - Mexico (Mexique)



MICROELETTRICA SCIENTIFICA
M.S. RESISTANCES

Damping Resistors

O/Ref	Qty	R n Ω	Power kW	BIL kV	Project
O DA 05-03-005	3	2x210	190	170	BES / germany
O DA 02-02-006	3	100	200	170	Crawfordville
O DA 02-07-003	1	100	200	170	Crawfordville
O DA 05-04-015	3	2x160	200	170	Essar / India
O DA 08-06-010	6	2x300	200	170	Dongbu Steel Plant
O DA 07-12-001	3	2x268	202	170	Bhusan SVC / India
O DA 09-03-003	3	2x574	213	170	Unisteel / Kuwait
O DA 10-05-003	3	50	218	170	South Steel / Saudi Arabia
O DA 09-03-003	3	150	218	170	Unisteel / Kuwait
O DA 08-05-001	1	2x152	220	170	Yazici SVC (Turkey)
O DA 07-11-004	3	2x488	220	170	ICDAS / Turkey
O DA 06-10-006	3	2x152	240	170	Yazici SVC (Turkey)
O DA 09-06-003	1	2x488	240	170	ICDAS / Turkey
O DA 07-07-012	3	2x300	242	170	TMK Resita
O DA 04-11-002	3	40	256	170	Arbed (Luxemburg)
O DA 07-03-004	1	40	256	170	Arbed (Luxemburg)
O DA 11-01-012	1	40	256	170	Belval & Differdange / Luxemburg
O DA 10-12-008	3	2x320	256	170	Suez Steel / Egypt
O DA 10-02-001	3	303	272	170	Maghreb Steel / Egypt
O DA 05-09-011	3	20	300	170	Saudi Arabia
O DA 08-10-002	1	20	300	170	Saudi Arabia
O DA 08-06-001	1	110	300	170	IDC Steel
O DA 06-11-006	3	2x150	300	170	LME (France)
O DA 06-10-001	3	2x220	300	170	IDC Steel
O DA 11-05-007	3	2x279	300	170	JSPL Angul / India
O DA 12-07-010	3	2x390	302	170	MGI Steel / Iraq
O DA 10-05-003	3	2x478	327	170	South Steel / Saudi Arabia
O DA 12-11-014	3	2x698	338	170	Posco-Vina / Vietnam
O DA 12-07-010	3	26	381	170	MGI Steel / Iraq
O DA 12-11-014	3	28,7	451	170	Posco-Vina / Vietnam
O DA 11-12-005	6	17,91	470	170	Abul Khair / Bangladesh
O DA 09-07-014	3	2x73	495	170	ESHL ConArc 2 / india
O DA 11-12-005	6	155,75	752	170	Abul Khair / Bangladesh
O DA 03-12-013	3	314	152	185	BH Steel / Boznia Herzegovina
O DA 08-09-005	3	262,8	440	185	MMK Atakas / Turkey
O DA 06-03-010	3	2x300	33,7	190	Steel Plant / Vyska
O DA 12-01-003	1	2x754	100	190	Amet Steel / Russia
O DA 06-02-002	3	72,3	7,2	200	Baoshan Iron & Steel / China
O DA 02-11-002	3	600	8,5	200	China
O DA 06-02-002	3	80	9,5	200	Baoshan Iron & Steel / China
O DA 00-12-001	3	200	25	200	South Africa
O DA 05-06-007	3	200	30	200	Hadded / Saudi Arabia
O DA 02-01-004	3	50	40	200	Saukville
O DA 09-06-005	3	60	40	200	Essar Steel Hazira / India
O DA 02-06-001	3	160	40	200	El Teniente / Chile
O DA 12-09-004	3	20,3	57,2	200	Tata Steel / India
O DA 13-02-016	4	2x250	60	200	Nucor Norfolk SVC (Nebraska) / USA
O DA 12-06-002	3	18,2	61	200	Parker SVC
O DA 07-03-005	4	2x575	68	200	Nucor Steel - Plymouth (United States)
O DA 02-09-003	3	251	70	200	Shanghai N°1
O DA 04-03-011	1	251	70	200	Shanghai N°1
O DA 13-02-016	4	175	75	200	Nucor Norfolk SVC (Nebraska) / USA
O DA 02-06-001	3	640	80	200	El Teniente / Chile
O DA 03-01-003	3	2x318	90	200	Ludlum / USA



MICROELETTRICA SCIENTIFICA
M.S. RESISTANCES

Damping Resistors

O/Ref	Qty	R n Ω	Power kW	BIL kV	Project
O DA 02-01-004	3	25	100	200	Saukville
O DA 13-04-006	1	25	100	200	Canada
O DA 12-06-002	3	2x216,6	100	200	Parker SVC
O DA 08-03-009	3	2x754	100	200	AMET / Russia
O DA 04-12-009	3	2x698	115	200	Deacero / Mexico
O DA 13-02-006	7	20	120	200	Nucor Decatur SVC (Alabama) / USA
O DA 09-06-005	3	50	120	200	Essar Steel Hazira / India
O DA 13-03-009	6	2x130	120	200	Gunung SVC2 (Jakarta) / Indonesia
O DA 13-02-016	4	2x300	120	200	Nucor Norfolk SVC (Nebraska) / USA
O DA 13-03-009	3	2x50	120	200	Gunung SVC2 (Jakarta) / Indonesia
O DA 04-04-002	3	2x120	150	200	Izmir Factory / Aliaga (Turkey)
O DA 13-02-006	7	2x300	150	200	Nucor Decatur SVC (Alabama) / USA
O DA 05-06-007	3	2x210	160	200	Hadded / Saudi Arabia
O DA 13-02-016	4	10	180	200	Nucor Norfolk SVC (Nebraska) / USA
O DA 08-01-009	3	2x200	200	200	AHMSA / Mexico
O DA 08-06-011	3	2x300	200	200	DNE Prosteel
O DA 11-12-003	3	2x300	200	200	Donetskal SVC / Ukrainia
O DA 11-06-011	3	2x195	210	200	Andec SVC
O DA 11-07-005	3	2x551	210	200	Daecero Saltillo SVC / Mexico
O DA 13-03-009	3	2x140	240	200	Gunung SVC2 (Jakarta) / Indonesia
O DA 11-05-002	3	2x150	240	200	Endoks / Turkey
O DA 11-01-003	3	2x300	240	200	Endoks / Turkey
O DA 04-04-002	3	2x120	300	200	Izmir Factory / Aliaga (Turkey)
O DA 06-11-008	3	1000	10	225	THEP (Vietnam)
O DA 04-02-003	12	500	8	250	Australia
O DA 12-10-018	2	800	16	250	Wotonga (Australian Railways)
O DA 05-12-003	3	800	16,4	250	Azovstal Steel Plant
O DA 08-06-012	6	800	16,4	250	Azovstal Steel Plant
O DA 04-02-002	3	130	22	250	Sahkoradat
O DA 07-03-010	3	2x300	33,7	250	Seversky
O DA 13-04-009	6	10	36	250	Constancia / Peru
O DA 09-12-003	1	1000	40	250	KTMB / Malaysia
O DA 00-12-002	15	600	50	250	Minera Escondida
O DA 10-03-002	3	5500	50	250	Namibia
O DA 10-03-002	3	1500	52	250	Namibia
O DA 12-10-018	2	50	80	250	Wotonga (Australian Railways)
O DA 06-01-004	3	100	90	250	Finish Railways
O DA 09-03-016	1	100	90	250	Finnish Railways
O DA 12-12-001	3	2x900	95	250	PDO / Oman
O DA 00-12-002	60	300	100	250	Minera Escondida
O DA 09-10-009	3	2x558	100	250	Visa Steel / India
O DA 06-07-006	15	2x716	110	250	Ahwaz Steel Plant / Khouzestan
O DA 11-01-004	2	2x716	110	250	Khouzestan Steel Company (Ahwaz) / Iran
O DA 11-12-004	1	2x716	110	250	Khouzestan Steel Company (Ahwaz) / Iran
O DA 12-03-026	3	104,5	121	250	Nareva / Maroc
O DA 05-07-002	3	2x406	153	250	Colakuglo / Turkey
O DA 07-12-007	1	2x406	153	250	Colakuglo / Turkey
O DA 00-12-002	15	30	160	250	Minera Escondida
O DA 05-09-004	6	2x389	180	250	Tisco / China
O DA 10-07-016	3	2x540	200	250	Niksic / Monte Negro
O DA 03-10-013	6	520	352	250	Thailand
O DA 08-09-012	3	2x1200	44,5	325	RTE - Laguian / France (MSCDN)
O DA 10-07-015	3	214	58	325	Nerac (RTE) / France
O DA 10-10-002	6	100	59	325	ISAL / Iceland



MICROELETRICA SCIENTIFICA
M.S. RESISTANCES

Damping Resistors

O/Ref	Qty	R n Ω	Power kW	BIL kV	Project
O DA 09-03-018	3	600	60	325	Arles (RTE) / France (MSCDN)
O DA 07-02-006	6	2x428	115	325	RTE - Paris Area (France)
O DA 04-05-004	27	2x482	130	325	RTE (France)
O DA 08-02-010	3	2x800	137	325	RTE PACA / France
O DA 10-10-002	6	53	138	325	ISAL / Iceland
O DA 09-04-009	3	2x1526	250	325	Mittal Steel / Mexico
O DA 09-08-004	6	291	415	325	REN-C / Portugal
O DA 10-10-002	6	94	458	325	ISAL / Iceland
O DA 07-02-006	27	1000	610	325	RTE - Paris Area (France)
O DA 08-02-010	3	1000	610	325	RTE PACA / France
O DA 10-07-015	3	1000	610	325	Belle-Epine (RTE) / France
O DA 10-07-015	3	1000	610	325	Argia (RTE) / France
O DA 11-02-002	3	1000	610	325	Avelin (RTE) / France
O DA 11-02-002	3	1000	610	325	Cubnezais (RTE) / France
O DA 11-02-002	3	1000	610	325	Launay 1 (RTE) / France
O DA 11-02-002	3	1000	610	325	Laval (RTE) / France
O DA 11-02-002	3	1000	610	325	Mastaing (RTE) / France
O DA 11-02-002	3	1000	610	325	Romainville (RTE) / France
O DA 11-02-002	3	1000	610	325	Perizet (RTE) / France
O DA 11-02-002	3	1000	610	325	Flers (RTE) / France
O DA 11-02-002	3	1000	610	325	Dronniere (RTE) / France
O DA 11-02-002	3	1000	610	325	Launay 2 (RTE) / France
O DA 11-02-002	3	1000	610	325	Fleac (RTE) / France
O DA 11-02-002	3	1000	610	325	Merlatiere (RTE) / France
O DA 11-02-002	3	1000	610	325	Thiot (RTE) / France
O DA 11-02-002	3	1000	610	325	Corbiere (RTE) / France
O DA 11-02-002	3	1000	610	325	Domloup 1 (RTE) / France
O DA 11-02-002	3	1000	610	325	Sanilhac (RTE) / France
O DA 11-02-002	3	1000	610	325	Domloup 2 (RTE) / France
O DA 11-02-002	3	1000	610	325	Pierrette (RTE) / France
O DA 11-02-002	3	1000	610	325	Masquet (RTE) / France
O DA 12-03-017	3	2x2000	610	325	Colayrac (RTE) / France
O DA 13-02-015	9	2x2000	610	325	RTE (225kV)
O DA 09-03-018	3	1000	635	325	Tamareau 1 (RTE) / France
O DA 09-03-018	3	1000	635	325	Sirmièrre (RTE) / France
O DA 09-03-018	3	1000	635	325	La Gaudière (RTE) / France
O DA 09-03-018	3	1000	635	325	Doberie (RTE) / France
O DA 09-06-006	3	1000	635	325	Tamareau 2 (RTE) / France
O DA 09-06-006	3	1000	635	325	Saint Vincent (RTE) / France
O DA 07-02-006	6	2x1800	164	450	RTE - Paris Area (France) (MSCDN)
O DA 12-10-018	6	2x4000	1105	450	La Gaudiere (RTE) / France
O DA 12-10-018	6	2x4000	1105	450	Tamareau (RTE) / France
O DA 12-10-018	3	2x4000	1105	450	Cantegrit (RTE) / France
O DA 12-10-018	3	2x4000	1105	450	Argoeuves (RTE) / France
O DA 12-10-018	3	2x4000	1105	450	Vesle (RTE) / France
O DA 12-10-018	3	2x4000	1105	450	Saucats (RTE) / France
O DA 12-10-018	3	2x4000	1105	450	Verfeil (RTE) / France
O DA 12-10-018	6	2x4000	1105	450	Taute (RTE) / France
O DA 12-10-018	3	2x4000	1105	450	Mezerolles (RTE) / France
O DA 12-10-018	3	2x4000	1105	450	Mezerolles (RTE) / France
O DA 12-10-018	6	2x4000	1105	450	Rougemontier (RTE) / France
O DA 12-10-018	3	2x4000	1105	450	Verfeil (RTE) / France
O DA 12-10-018	3	2x4000	1105	450	Lesquive (RTE) / France
O DA 01-04-006	9	1358	41	650	Hindalco / India



MICROELETTRICA SCIENTIFICA
M.S. RESISTANCES

Damping Resistors

<i>O/Ref</i>	<i>Qty</i>	<i>R n</i> <i>Ω</i>	<i>Power</i> <i>kW</i>	<i>BIL</i> <i>kV</i>	<i>Project</i>
O DA 06-04-005	9	2x1200	48,6	650	Aluar Potline D / Argentina
O DA 04-07-006	6	2x1000	60	650	Aluar (Argentina)
O DA 04-07-007	6	2x1000	60	650	Aluar (Argentina)
O DA 01-10-002	6	174	74	650	Sundalsora / Norway
O DA 10-04-008	3	770	93	650	Landnet / Iceland
O DA 10-04-008	3	150	94	650	Landnet / Iceland
O DA 10-04-008	3	1000	121	650	Landnet / Iceland
O DA 12-12-001	3	2x900	136	650	PDO / Oman
O DA 02-04-003	12	17	5,2	750	TZH / The Netherlands