FUJJS 50.. - $U_n/C_n/f_n$
FUJJS 70.. - $U_n/C_n/f_n$



Maximum single parameters of product line

Max output	Q_{Nmax}	4 000 kvar
Max voltage	U_{Nmax}	2 000 V
Max current	I_{Nmax}	2 000 A
Max frequency	f_{Nmax}	2 000 Hz
Design	LIVE/DEAD CASE	

Standards	IEC 60110-1:1998; EN 60110-1:1998
Capacitance tolerance	-5 / +10%
Ambient temperature	1°C ... 50°C
Power losses	< 0,3 W/kvar
Water-cooling	WF
Max. outlet water temperature	40°C
Water flow rate	> 8 l/min
Presure drop at 8 l/min	< 0,6 bar
Water pressure	6 bar
Over-voltage	1,05 x U_N; 12 hours/day
Over-current	1,15 x I_N
Voltage test between terminals	2,0x U_N AC / 10s or 4,0x U_N DC / 10s
Voltage test between terminals and case	5 000 V AC / 10s
Case	brass welded, painted (RAL 7035)
Dielectric system	all-film
Impregnant	synthetic oil (non PCB)
Instalation	indoor
Protection degree	IP 00

Type	**U_N** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FUJJS 5032-0,8/336/1	0,8	336	1,0	1 350	1 690	165 x 370 x 325	28
FUJJS 5032-0,9/160/2	0,9	160	2,0	1 628	1 810	165 x 370 x 325	28
FUJJS 5032-1,0/200/1,5	1,0	200	1,5	1 884	1 884	165 x 370 x 325	28
FUJJS 5032-1,2/150/1,5	1,2	150	1,5	2 035	1 690	165 x 370 x 325	28
FUJJS 5040-0,8/500/0,7	0,8	500	0,7	1 407	1 760	165 x 370 x 400	36
FUJJS 5040-1,2/265/1	1,2	265	1,0	2 400	2 000	165 x 370 x 400	36
FUJJS 5046-1,5/200/1	1,5	200	1,0	2 827	1 885	165 x 370 x 460	40
FUJJS 5050-1,0/500/0,6	1,0	500	0,6	1 885	1 885	165 x 370 x 500	45
FUJJS 5060-1,0/600/0,5	1,0	600	0,5	1 885	1 885	165 x 370 x 600	50

Type	**U_N** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FUJJS 7040-1,6/233/0,8	1,6	233	0,8	2 998	1 874	200 x 370 x 400	45
FUJJS 7055-0,8/1000/0,24	0,8	1 000	0,24	960	1 200	200 x 370 x 550	60
FUJJS 7060-0,8/995/0,3	0,8	995	0,3	1 200	1 500	200 x 370 x 600	65
FUJJS 7060-1,2/530/0,5	1,2	530	0,5	2 398	1 998	200 x 370 x 600	65
FUJJS 7060-1,8/262/0,6	1,8	262	0,6	3 200	1 778	200 x 370 x 600	65
FUJJS 7060-1,8/294/0,5	1,8	294	0,5	2 993	1 663	200 x 370 x 600	65
FUJJS 7060-2,0/217/0,6	2,0	217	0,6	3 272	1 636	200 x 370 x 600	65
FUJJS 7060-2,0/255/0,6	2,0	255	0,6	3 845	1 923	200 x 370 x 600	65
FUJJS 7090-2,0/418/0,3	2,0	418	0,3	3 150	1 575	200 x 370 x 900	93

Other voltage, power and frequency on request.
Dead case type designation FUHJS on request.
Case and connection dimensions are the same like live case design.

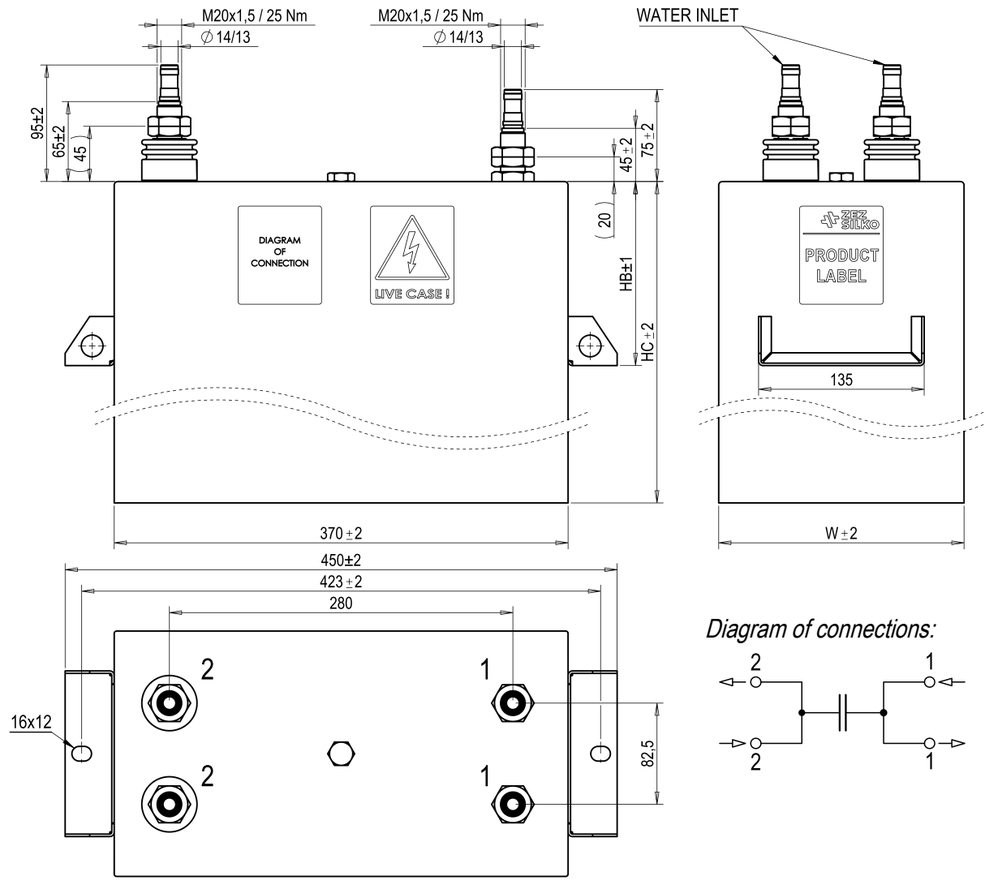


Diagram of connections:

FRJJS 52..-$U_n/C_n/f_n$



Maximum single parameters of product line

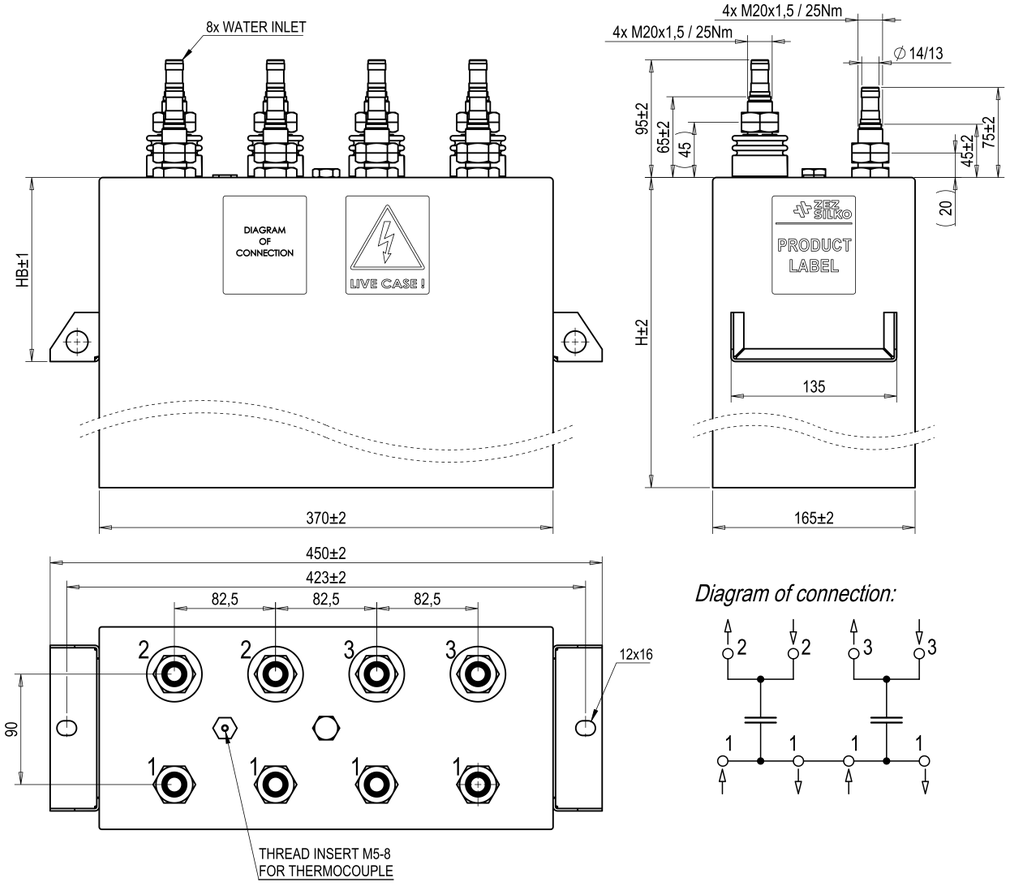
Max output	Q_{Nmax}	8 000 kvar
Max voltage	U_{Nmax}	2 000 V
Max current	I_{Nmax}	4 000 A
Max frequency	f_{Nmax}	8 000 Hz
Design	LIVE/DEAD CASE	

Standards	IEC 60110-1:1998; EN 60110-1:1998
Capacitance tolerance	-5 / +10%
Ambient temperature	1°C ... 50°C
Power losses	< 0,3 W/kvar
Water-cooling	WF
Max. outlet water temperature	40°C
Water flow rate	> 8 l/min
Presure drop at 8 l/min	< 0,4 bar
Water pressure	6 bar
Over-voltage	1,05 x U_N; 12 hours/day
Over-current	1,15 x I_N
Voltage test between terminals	2,0x U_N AC / 10s or 4,0x U_N DC / 10s
Case	brass welded, painted (RAL 7035)
Dielectric system	all-film
Impregnant	synthetic oil (non PCB)
Instalation	indoor
Protection degree	IP 00

Type	U_N (kV)	C_N (µF)	f_N (kHz)	Q_N (kvar)	I_N (A)	Dimensions W x L x H (mm)	Weight (kg)
FRJJS 5225-0,6/2x48,6/5	0,6	2x 48,6	5,0	1 099	1 832	165 x 370 x 250	25
FRJJS 5225-0,8/2x55/6	0,8	2x 55	6,0	2 654	3 318	165 x 370 x 250	25
FRJJS 5232-0,6/2x132,5/4	0,6	2x 132,5	4,0	2 400	4 000	165 x 370 x 325	28
FRJJS 5232-0,65/2x80/6	0,65	2x 80	6,0	2 550	3 923	165 x 370 x 325	28
FRJJS 5232-0,8/2x45/8	0,8	2x 45	8,0	2 895	3 619	165 x 370 x 325	28
FRJJS 5232-0,8/2x95/4	0,8	2x 95	4,0	3 056	3 820	165 x 370 x 325	28
FRJJS 5232-0,8/2x132,5/3	0,8	2x 132,5	3,0	3 200	4 000	165 x 370 x 325	28
FRJJS 5232-1,0/2x100/2	1,0	2x 100	2,0	2 513	2 513	165 x 370 x 325	28
FRJJS 5232-2,0/2x25/5	2,0	2x 25	5,0	6 280	3 140	165 x 370 x 325	28
FRJJS 5232-2,0/2x30/2	2,0	2x 30	2,0	3 016	1 508	165 x 370 x 325	28

Type	U_N (kV)	C_N (µF)	f_N (kHz)	Q_N (kvar)	I_N (A)	Dimensions W x L x H (mm)	Weight (kg)
FRJJS 5240-0,8/2x120/3	0,8	2x 120	3,0	2 900	3 620	165 x 370 x 400	33
FRJJS 5240-0,8/2x170/2,2	0,8	2x 170	2,2	3 000	3 750	165 x 370 x 400	33
FRJJS 5240-1,0/2x132,5/2,4	1,0	2x 132,5	2,4	4 000	4 000	165 x 370 x 400	33
FRJJS 5240-1,5/2x62,5/3	1,5	2x 62,5	3,0	5 300	3 533	165 x 370 x 400	33
FRJJS 5240-2,0/2x35/4	2,0	2x 35	4,0	7 040	3 520	165 x 370 x 400	33
FRJJS 5250-0,6/2x210/2,5	0,6	2x 210	2,5	2 375	3 958	165 x 370 x 500	44
FRJJS 5250-0,6/2x240/2,2	0,6	2x 240	2,2	2 388	3 980	165 x 370 x 500	44
FRJJS 5250-2,0/2x50/3	2,0	2x 50	3,0	7 540	3 770	165 x 370 x 500	44
FRJJS 5260-0,8/2x265/1,5	0,8	2x 265	1,5	3 200	4 000	165 x 370 x 600	52
FRJJS 5260-0,8/2x348/1,2	0,8	2x 348	1,2	3 360	4 200	165 x 370 x 600	52
FRJJS 5260-0,9/2x285/1,2	0,9	2x 285	1,2	3 481	3 868	165 x 370 x 600	52
FRJJS 5280-1,0/2x318/1	1,0	2x 318	1,0	4 000	4 000	165 x 370 x 800	73

Other voltage, power and frequency on request.
Dead case type designation FRHJS on request.
Case and connection dimensions are the same like live case design.



FRJJS 304..-U_n/C_n/f_n



Maximum single parameters of product line

Max output	Q_{Nmax}	2 000 kvar
Max voltage	U_{Nmax}	2 000 V
Max current	I_{Nmax}	1 000 A
Max frequency	f_{Nmax}	4 000 Hz
Design	LIVE CASE	

Standards	IEC 60110-1:1998; EN 60110-1:1998
Capacitance tolerance	-5 / +10%
Ambient temperature	1°C ... 50°C
Power losses	< 0,3 W/kvar
Water-cooling	WF
Max. outlet water temperature	40°C
Water flow rate	> 4 l/min
Presure drop at 4 l/min	< 0,2 bar
Water pressure	6 bar
Over-voltage	1,05 x U_N; 12 hours/day
Over-current	1,15 x I_N
Voltage test between terminals	2,0x U_N AC / 10s or 4,0x U_N DC / 10s
Case	brass welded, painted (RAL 7035)
Dielectric system	all-film
Impregnant	synthetic oil (non PCB)
Instalation	indoor
Protection degree	IP 00

Type	**U_N** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FRJJS 3040-0,7/80/2,5	0,7	80	2,5	616	880	125 x 335 x 250	16
FRJJS 3040-0,8/60/3	0,8	60	3,0	724	905	125 x 335 x 250	16
FRJJS 3040-0,8/80/1	0,8	80	1,0	322	402	125 x 335 x 250	16
FRJJS 3040-1,0/56/2,5	1,0	56	2,5	880	880	125 x 335 x 250	16
FRJJS 3040-1,5/40/2,5	1,5	40	2,5	1 414	942	125 x 335 x 250	16
FRJJS 3040-1,8/28/2,5	1,8	28	2,5	1 425	792	125 x 335 x 250	16
FRJJS 3040-2,0/21/3	2,0	21	3,0	1 583	792	125 x 335 x 250	16

Type	**U_N** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FRJJS 3041-0,8/128/1,5	0,8	128	1,5	772	965	125 x 335 x 325	21
FRJJS 3041-0,8/160/1,1	0,8	160	1,1	708	885	125 x 335 x 325	21
FRJJS 3041-0,9/128/1,3	0,9	128	1,3	847	941	125 x 335 x 325	21
FRJJS 3041-1,0/60/2,4	1,0	60	2,4	905	905	125 x 335 x 325	21
FRJJS 3041-1,0/105/1,5	1,0	105	1,5	990	990	125 x 335 x 325	21
FRJJS 3041-1,2/80/1,5	1,2	80	1,5	1 086	905	125 x 335 x 325	21
FRJJS 3041-1,3/60/2	1,3	60	2,0	1 274	980	125 x 335 x 325	21
FRJJS 3041-1,8/42/2	1,8	42	2,0	1 710	950	125 x 335 x 325	21
FRJJS 3041-2,0/28/2,5	2,0	28	2,5	1 760	880	125 x 335 x 325	21

Other voltage, power and frequency on request.

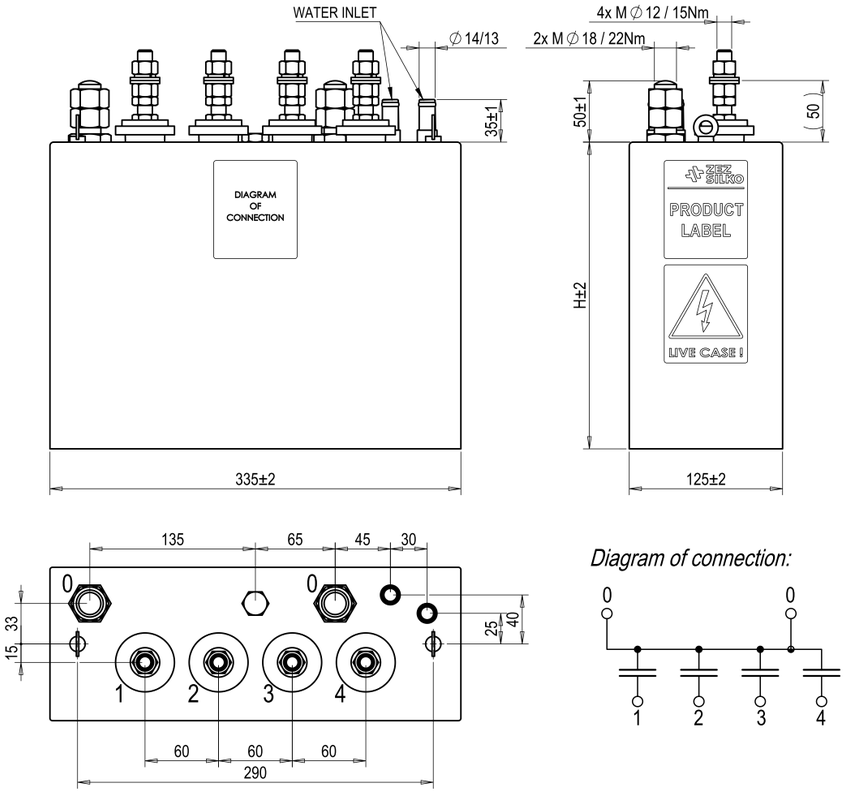


Diagram of connection:

FRJJS 303.. - $U_n/C_n/f_n$
FRJJS 306.. - $U_n/C_n/f_n$



Maximum single parameters of product line

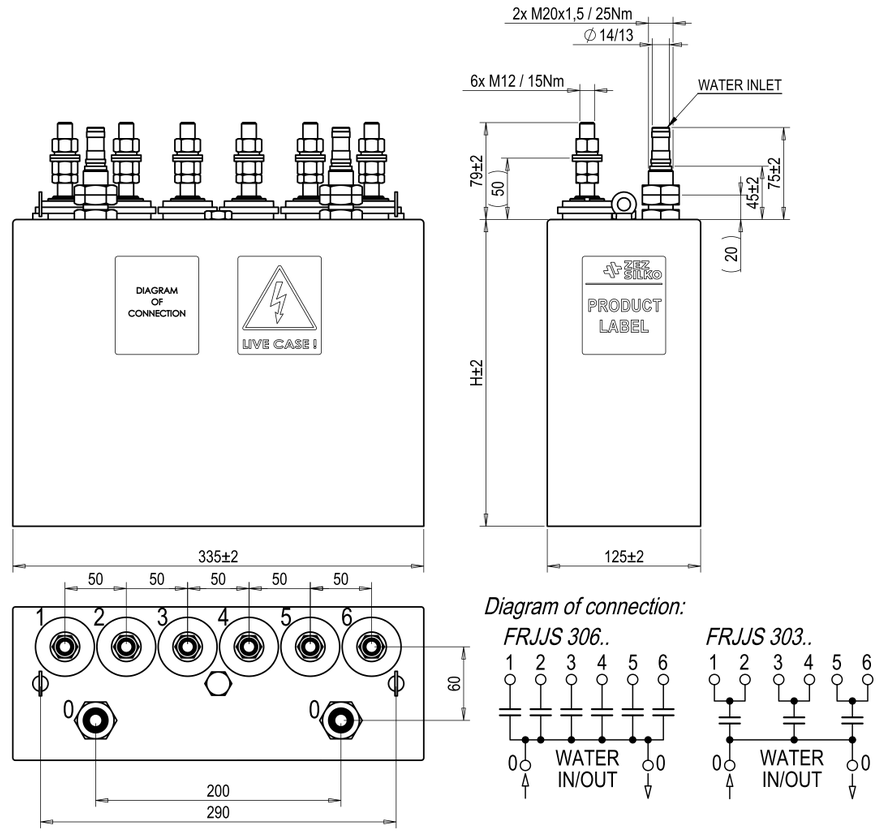
Max output	Q_{Nmax}	2 500 kvar
Max voltage	U_{Nmax}	2 000 V
Max current	I_{Nmax}	1 500 A
Max frequency	f_{Nmax}	4 000 Hz
Design	LIVE/DEAD CASE	

Standards	IEC 60110-1:1998; EN 60110-1:1998
Capacitance tolerance	-5 / +10%
Ambient temperature	1°C ... 50°C
Power losses	< 0,3 W/kvar
Water-cooling	WF
Max. outlet water temperature	40°C
Water flow rate	> 4 l/min
Presure drop at 4 l/min	< 0,2 bar
Water pressure	6 bar
Over-voltage	1,05 x U_N; 12 hours/day
Over-current	1,15 x I_N
Voltage test between terminals	2,0x U_N AC / 10s or 4,0x U_N DC / 10s
Case	brass welded, painted (RAL 7035)
Dielectric system	all-film
Impregnant	synthetic oil (non PCB)
Instalation	indoor
Protection degree	IP 00

Type	**U_N** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FRJJS 3030-0,6/128/2,4	0,6	128	2,4	695	1 158	125 x 335 x 250	16
FRJJS 3030-0,8/103,5/2,4	0,8	103,5	2,4	1 000	1 250	125 x 335 x 250	16
FRJJS 3030-1,0/45/4	1,0	45	4,0	1 131	1 131	125 x 335 x 250	16
FRJJS 3030-1,0/60/3,0	1,0	60	3,0	1 131	1 131	125 x 335 x 250	16
FRJJS 3030-1,0/72/2,4	1,0	72	2,4	1 086	1 086	125 x 335 x 250	16
FRJJS 3030-1,2/48/3,3	1,2	48	3,3	1 433	1 194	125 x 335 x 250	16
FRJJS 3030-1,5/36/3,3	1,5	36	3,3	1 680	1 120	125 x 335 x 250	16
FRJJS 3030-2,0/20/4	2,0	20	4,0	2 000	1 006	125 x 335 x 250	16

Type	**U_N** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FRJJS 3031-0,6/192/1,5	0,60	192	1,5	652	1 086	125 x 335 x 325	21
FRJJS 3031-0,8/160/1,5	0,80	160	1,5	965	1 206	125 x 335 x 325	21
FRJJS 3031-1,0/90/2,0	1,0	90	2,0	1 131	1 131	125 x 335 x 325	21
FRJJS 3031-1,2/72/2,2	1,2	72	2,2	1 433	1 194	125 x 335 x 325	21
FRJJS 3031-1,5/54/2,2	1,5	54	2,2	1 680	1 120	125 x 335 x 325	21
FRJJS 3031-2,0/28/2,6	2,0	28	3,0	2 111	1 056	125 x 335 x 325	21
FRJJS 3060-0,4/108/4	0,4	108	4,0	434	1 086	125 x 335 x 250	16
FRJJS 3060-1,0/35,7/2,5	1,0	35,7	2,6	561	561	125 x 335 x 250	16
FRJJS 3061-0,5/144/3	0,50	144	3,0	680	1 360	125 x 335 x 325	21
FRJJS 3061-0,38/166,2/2	0,38	166,2	2,0	302	795	125 x 335 x 325	21

Other voltage, power and frequency on request.
Dead case type designation FRHJS on request.



FRJJS 71..-U_n/C_n/f_n



Maximum single parameters of product line

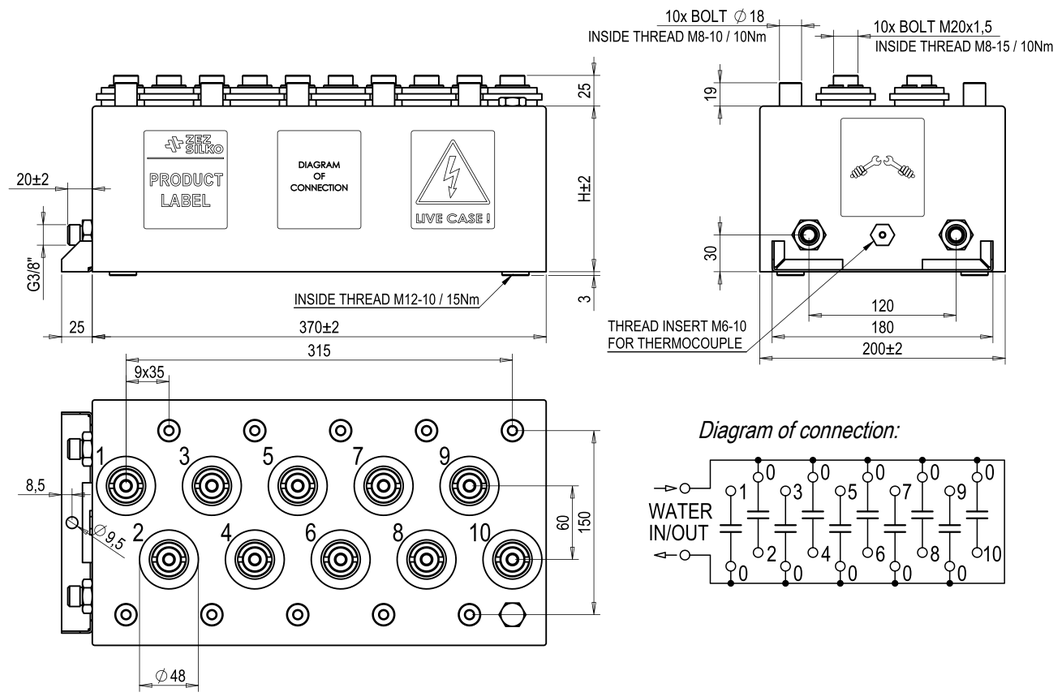
Max output	Q_{Nmax}	7 000 kvar
Max voltage	U_{Nmax}	2 500 V
Max current	I_{Nmax}	5 500 A
Max frequency	f_{Nmax}	20 000 Hz
Design	LIVE CASE	

Standards	IEC 60110-1:1998; EN 60110-1:1998
Capacitance tolerance	-5 / +10%
Ambient temperature	1°C ... 50°C
Power losses	< 0,3 W/kvar
Water-cooling	WF
Max. outlet water temperature	40°C
Water flow rate	> 8 l/min
Presure drop at 8 l/min	< 0,2 bar
Water pressure	6 bar
Over-voltage	1,05 x U_N; 12 hours/day
Over-current	1,15 x I_N
Voltage test between terminals	2,0x U_{MAX} AC / 10s or 4,0x U_{MAX} DC / 10s
Operation	only at cooled busbar <50°C
Case	copper welded, painted (RAL 7035)
Dielectric system	all-film
Impregnant	synthetic oil (non PCB)
Instalation	indoor
Protection degree	IP 00

Type	**U_N / U_{MAX}** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FRJJS 7102-0,8/10x5/16	0,8 / 1,0	50	16	3 220	4 025	200 x 370 x 135	18
FRJJS 7102-1,0/10x3,0/20	1,0 / 1,5	30	20	3 770	3 770	200 x 370 x 135	18
FRJJS 7102-1,5/10x2,0/20	1,5 / 1,8	20	20	5 655	3 770	200 x 370 x 135	18
FRJJS 7103-0,8/10x14,5/6	0,8 / 0,9	145	6	3 498	4 373	200 x 370 x 175	24
FRJJS 7103-1,0/10x8/8	1,0 / 1,2	80	8	4 020	4 020	200 x 370 x 175	24
FRJJS 7103-1,0/10x5,57/12	1,0 / 1,2	55,7	12	4 200	4 200	200 x 370 x 175	24
FRJJS 7103-1,0/10x6,4/10	1,0 / 1,3	64	10	4 021	4 021	200 x 370 x 175	24
FRJJS 7103-1,0/10x11/6	1,0 / 1,1	110	6	4 147	4 147	200 x 370 x 175	24
FRJJS 7103-1,3/10x3,2/16	1,3 / 1,5	32	16	5 437	4 182	200 x 370 x 175	24
FRJJS 7103-2,0/10x1,5/16	2,0 / 2,4	15	16	6 032	3 016	200 x 370 x 175	24
FRJJS 7103-2,0/10x2,2/10	2,0 / 2,4	22	10	5 520	2 760	200 x 370 x 175	24

Type	**U_N / U_{MAX}** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FRJJS 7104-0,8/10x19,7/3,3	0,8 / 1,0	197	3,3	2 614	3 268	200 x 370 x 200	28
FRJJS 7104-1,5/10x4,6/10	1,5 / 1,8	46	10	6 500	4 333	200 x 370 x 200	28
FRJJS 7104-2,0/10x2,4/10	2,0 / 2,4	24	10	6 032	3 016	200 x 370 x 200	28
FRJJS 7104-2,0/10x4,5/4	2,0 / 2,0	45	4	4 524	2 260	200 x 370 x 200	28
FRJJS 7105-0,8/10x23,5/4	0,8 / 0,9	235	4	3 780	4 725	200 x 370 x 250	32
FRJJS 7105-0,8/10x29,6/2	0,8 / 1,0	296	2	2 383	2 976	200 x 370 x 250	32
FRJJS 7105-1,0/10x16,5/4	1,0 / 1,2	165	4	4 147	4 147	200 x 370 x 250	32
FRJJS 7105-1,0/10x20/3	1,0 / 1,1	200	3	3 770	3 770	200 x 370 x 250	32
FRJJS 7106-0,8/10x32/3	0,8 / 1,0	320	3	3 860	4 825	200 x 370 x 400	47
FRJJS 7106-0,8/10x36/2,5	0,8 / 1,0	360	2,5	3 619	4 524	200 x 370 x 400	47
FRJJS 7106-0,8/10x50/2	0,8 / 0,9	500	2	4 021	5 026	200 x 370 x 400	47
FRJJS 7106-0,8/10x68/1,1	0,8 / 0,8	680	1,1	3 008	3 760	200 x 370 x 400	47
FRJJS 7106-1,0/10x36/2	1,0 / 1,1	360	2	4 524	4 524	200 x 370 x 400	47
FRJJS 7106-1,0/10x45/1,5	1,0 / 1,0	450	1,5	4 240	4 240	200 x 370 x 400	47
FRJJS 7106-1,0/10x57,7/1	1,0 / 1,0	577	1	3 625	3 625	200 x 370 x 400	47
FRJJS 7106-1,325/10x32/1,4	1,325 / 1,325	320	1,4	4 942	3 730	200 x 370 x 400	47

Other voltage, power and frequency on request.



FRJJS 73..-U_n/C_n/f_n



Maximum single parameters of product line

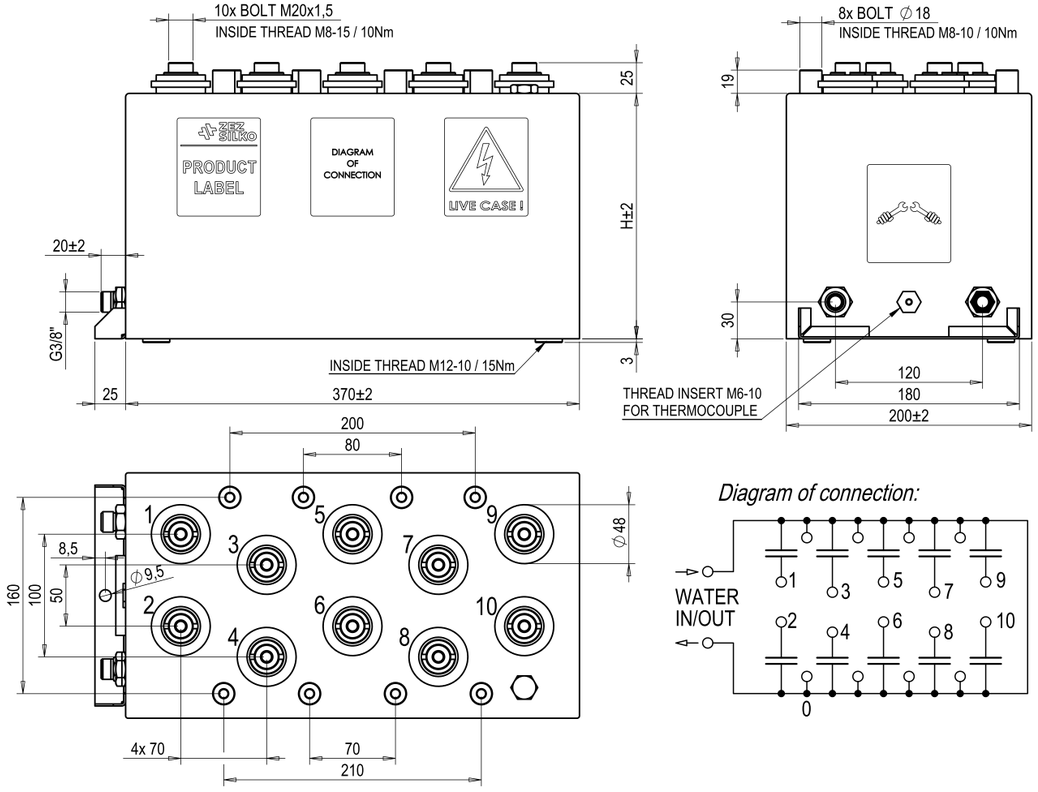
Max output	Q_{Nmax}	5 000 kvar
Max voltage	U_{Nmax}	2 000 V
Max current	I_{Nmax}	5 000 A
Max frequency	f_{Nmax}	20 000 Hz
Design	LIVE CASE	

Standards	IEC 60110-1:1998; EN 60110-1:1998
Capacitance tolerance	-5 / +10%
Ambient temperature	1°C ... 50°C
Power losses	< 0,3 W/kvar
Water-cooling	WF
Max. outlet water temperature	35°C
Water flow rate	> 8 l/min
Presure drop at 8 l/min	< 0,2 bar
Water pressure	6 bar
Over-voltage	1,05 x U_N; 12 hours/day
Over-current	1,15 x I_N
Voltage test between terminals	2,0x U_{MAX} AC / 10s or 4,0x U_{MAX} DC / 10s
Operation	only at cooled busbar <50°C
Case	brass welded, painted (RAL 7035)
Dielectric system	all-film
Impregnant	synthetic oil (non PCB)
Instalation	indoor
Protection degree	IP 00

Type	**U_N / U_{MAX}** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FRJJS 7302-0,52/10x3,9/20	0,52 / 1,5	39	20,0	1 325	2 548	200 x 370 x 200	26
FRJJS 7302-0,8/10x14,5/6	0,8 / 0,9	145	6,0	3 498	4 373	200 x 370 x 200	26
FRJJS 7302-0,8/10x19,7/3,3	0,8 / 0,9	197	3,3	2 614	3 268	200 x 370 x 200	26
FRJJS 7302-1,0/10x3,2/16	1,0 / 1,5	32	16,0	3 215	3 215	200 x 370 x 200	26
FRJJS 7302-1,0/10x5,2/12	1,0 / 1,5	52	12,0	3 920	3 920	200 x 370 x 200	26
FRJJS 7302-1,0/10x6,4/10	1,0 / 1,3	64	10,0	4 021	4 021	200 x 370 x 200	26
FRJJS 7302-1,0/10x8/8	1,0 / 1,2	80	8,0	4 020	4 020	200 x 370 x 200	26
FRJJS 7302-1,0/10x11/6	1,0 / 1,1	110	6,0	4 147	4 147	200 x 370 x 200	26
FRJJS 7302-2,0/10x4,5/4	2,0 / 2,0	45	4,0	4 524	2 260	200 x 370 x 200	26

Type	**U_N / U_{MAX}** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FRJJS 7304-0,8/10x16,5/5	0,8 / 1,4	165	5,0	3 318	4 147	200 x 370 x 400	47
FRJJS 7304-0,8/10x23,5/4	0,8 / 1,2	235	4,0	3 780	4 725	200 x 370 x 400	47
FRJJS 7304-0,8/10x29,6/2	0,8 / 1,1	296	2,0	2 383	2 976	200 x 370 x 400	47
FRJJS 7304-0,8/10x32/3	0,8 / 1,0	320	3,0	3 860	4 825	200 x 370 x 400	47
FRJJS 7304-0,8/10x36/2,5	0,8 / 1,0	360	2,5	3 619	4 524	200 x 370 x 400	47
FRJJS 7304-0,8/10x50/2	0,8 / 0,9	500	2,0	4 021	5 026	200 x 370 x 400	47
FRJJS 7304-0,8/10x68/1,1	0,8 / 0,8	680	1,1	3 008	3 760	200 x 370 x 400	47
FRJJS 7304-1,0/10x16,5/4	1,0 / 1,4	165	4,0	4 147	4 147	200 x 370 x 400	47
FRJJS 7304-1,0/10x20/3	1,0 / 1,3	200	3,0	3 770	3 770	200 x 370 x 400	47
FRJJS 7304-1,0/10x36/2	1,0 / 1,1	360	2,0	4 524	4 524	200 x 370 x 400	47
FRJJS 7304-1,0/10x45/1,5	1,0 / 1,0	450	1,5	4 240	4 240	200 x 370 x 400	47
FRJJS 7304-1,0/10x57,7/1	1,0 / 1,0	577	1,0	3 625	3 625	200 x 370 x 400	47
FRJJS 7304-1,325/10x32/1,4	1,325 / 1,325	320	1,4	4 942	3 730	200 x 370 x 400	47

Other voltage, power and frequency on request.



FRJJS 76..-$U_n/C_n/f_n$



Maximum single parameters of product line

Max output	Q_{Nmax}	6 000 kvar
Max voltage	U_{Nmax}	2 000 V
Max current	I_{Nmax}	3 000 A
Max frequency	f_{Nmax}	5 000 Hz
Design	LIVE CASE	

Standards	IEC 60110-1:1998; EN 60110-1:1998
Capacitance tolerance	-5 / +10%
Ambient temperature	1°C ... 50°C
Power losses	< 0,3 W/kvar
Water-cooling	WF
Max. outlet water temperature	35°C
Water flow rate	> 5 l/min
Presure drop at 5 l/min	< 0,1 bar
Water pressure	6 bar
Over-voltage	1,05 x U_N; 12 hours/day
Over-current	1,15 x I_N
Voltage test between terminals	2,0x U_N AC / 10s or 4,0x U_N DC / 10s
Operation	only at cooled busbar <50°C
Case	brass welded, painted (RAL 7035)
Dielectric system	all-film
Impregnant	synthetic oil (non PCB)
Instalation	indoor
Protection degree	IP 00

Type	**U_N** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)	**Brackets**
FRJJS 7620-0,8/6x24/4	0,8	145	4,0	2 316	2 895	200 x 370 x 200	21	No
FRJJS 7620-0,8/6x31/3	0,8	186	3,0	2 246	2 805	200 x 370 x 200	21	No
FRJJS 7625-0,8/6x38/2,4	0,8	228	2,4	2 200	2 750	200 x 370 x 250	26	No
FRJJS 7625-1,0/6x30/2,4	1,0	180	2,4	2 714	2 714	200 x 370 x 250	26	No
FRJJS 7625-2/6x8,5/3,3	2,0	51	3,3	4 230	2 115	200 x 370 x 250	26	No

Type	**U_N** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)	**Brackets**
FRJJS 7640-0,6/6x106/1	0,6	636	1,0	1 440	2 400	200 x 370 x 400	42	Yes
FRJJS 7640-0,8/6x50/2	0,8	300	2,0	2 412	3 016	200 x 370 x 400	42	Yes
FRJJS 7640-0,8/6x62,5/1,5	0,8	375	1,5	2 262	2 827	200 x 370 x 400	42	Yes
FRJJS 7640-0,8/6x84/1	0,8	504	1,0	2 027	2 533	200 x 370 x 400	42	Yes
FRJJS 7640-0,8/6x97,4/1	0,8	584	1,0	2 350	2 938	200 x 370 x 400	42	Yes
FRJJS 7640-1,0/6x62,5/1,2	1,0	375	1,2	2 826	2 826	200 x 370 x 400	42	Yes
FRJJS 7640-1,4/6x31/1,4	1,4	186	1,4	3 208	2 291	200 x 370 x 400	42	Yes
FRJJS 7640-1,5/6x16/3	1,5	96	3,0	4 072	2 714	200 x 370 x 400	42	Yes
FRJJS 7640-1,8/6x23,4/2	1,8	141	2,0	5 742	3 180	200 x 370 x 400	42	Yes

Other voltage, power and frequency on request.

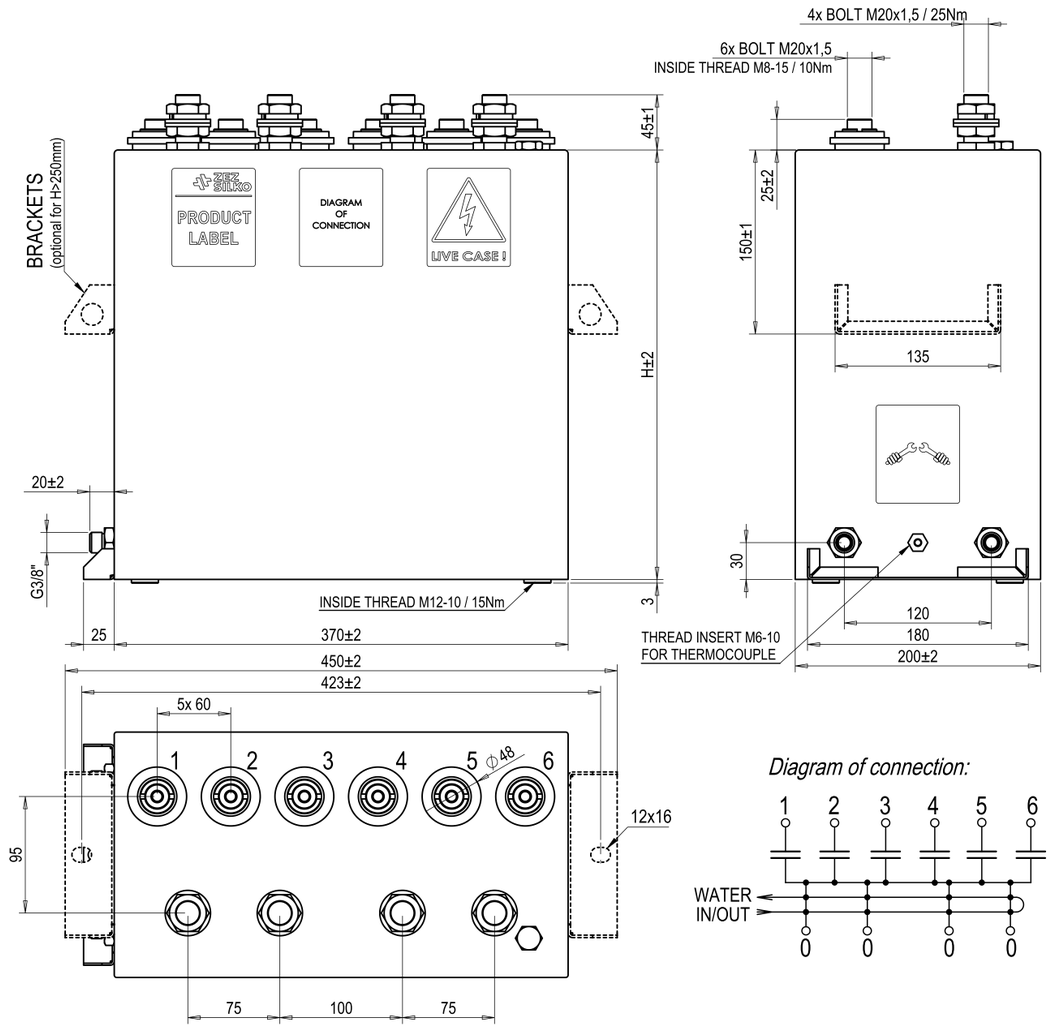


Diagram of connection:

FRHJS 61..-$U_n/C_n/f_n$



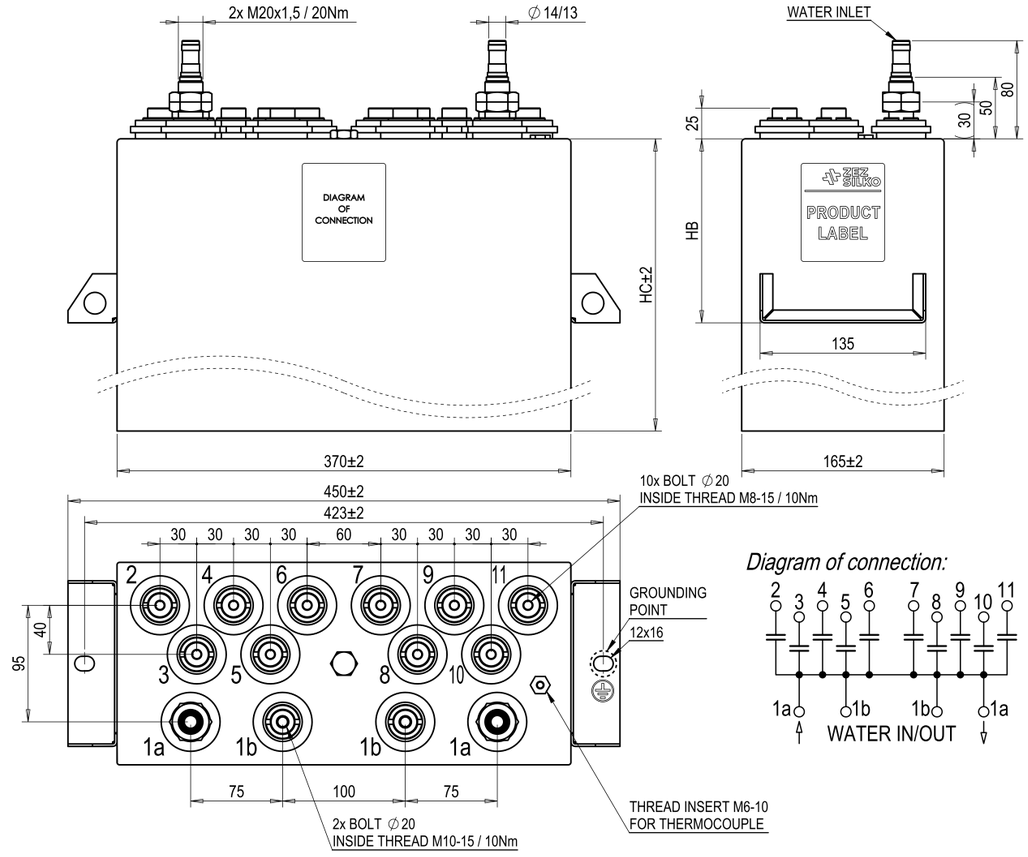
Maximum single parameters of product line

Max output	Q_{Nmax}	5 000 kvar
Max voltage	U_{Nmax}	2 000 V
Max current	I_{Nmax}	4 000 A
Max frequency	f_{Nmax}	5 000 Hz
Design	DEAD CASE	

Standards	IEC 60110-1:1998; EN 60110-1:1998
Capacitance tolerance	-5 / +10%
Ambient temperature	1°C ... 50°C
Power losses	< 0,3 W/kvar
Water-cooling	WF
Max. outlet water temperature	40°C
Water flow rate	> 10 l/min
Presure drop at 10 l/min	< 0,4 bar
Water pressure	6 bar
Over-voltage	1,05 x U_N; 12 hours/day
Over-current	1,15 x I_N
Voltage test between terminals	2,0x U_N AC / 10s or 4,0x U_N DC / 10s
Voltage test between terminals and case	5 000 V AC / 10s
Case	brass welded, painted (RAL 7035)
Dielectric system	all-film
Impregnant	synthetic oil (non PCB)
Instalation	indoor
Protection degree	IP 00

Type	**U_N** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FRHJS 6132-0,75/211/3,75	0,75	211	3,75	2 800	3 730	165 x 370 x 325	28
FRHJS 6132-0,75/265/2,5	0,75	265	2,5	2 350	3 133	165 x 370 x 325	28
FRHJS 6132-0,8/200/2,5	0,8	200	2,5	2 010	2 513	165 x 370 x 325	28
FRHJS 6132-1,0/159/3,75	1,0	159	3,75	3 750	3 750	165 x 370 x 325	28
FRHJS 6132-1,5/94/3,75	1,5	94,0	3,75	5 000	3 333	165 x 370 x 325	28
FRHJS 6140-0,8/320/2,5	0,8	320	2,5	3 217	4 021	165 x 370 x 400	36
FRHJS 6145-0,8/497/1,25	0,8	497	1,25	2 500	3 125	165 x 370 x 450	40
FRHJS 6145-1,0/398/1,25	1,0	398	1,25	3 125	3 125	165 x 370 x 450	40

Other voltage, power and frequency on request.



FRJJS 15..-U_n/C_n/f_n



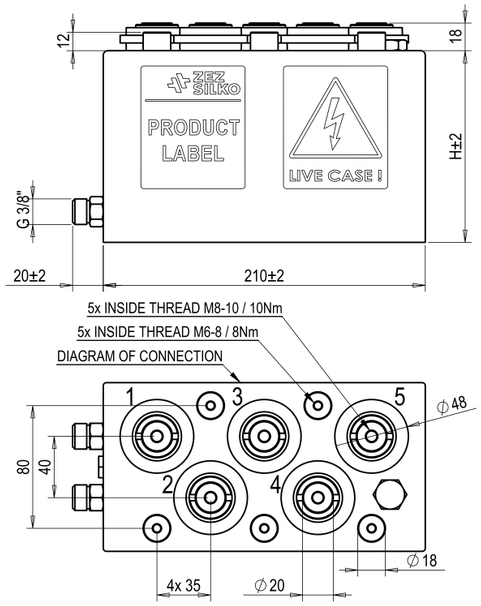
Maximum single parameters of product line

Max output	Q_{Nmax}	2 500 kvar
Max voltage	U_{Nmax}	2 500 V
Max current	I_{Nmax}	1 700 A
Max frequency	f_{Nmax}	150 000 Hz
Design	LIVE CASE	

Standards	IEC 60110-1:1998; EN 60110-1:1998
Capacitance tolerance	-5 / +10%
Ambient temperature	1°C ... 50°C
Power losses	< 0,35 W/kvar
Water-cooling	WF
Max. outlet water temperature	40°C
Water flow rate	> 4 l/min
Presure drop at 4 l/min	< 0,1 bar
Water pressure	6 bar
Over-voltage	1,05 x U_N; 12 hours/day
Over-current	1,15 x I_N
Voltage test between terminals	2,0x U_{MAX} AC / 10s or 4,0x U_{MAX} DC / 10s
Operation	only at cooled busbar <40°C
Case	copper welded, painted (RAL 7035)
Dielectric system	all-film
Impregnant	synthetic oil (non PCB)
Instalation	indoor
Protection degree	IP 00

Type	U_N / U_{MAX} (kV)	C_N (µF)	f_N (kHz)	Q_N (kvar)	I_N (A)	Dimensions W x L x H (mm)	Weight (kg)
FRJJS 1501-1,2/2,65/50	1,2 / 1,5	2,65	50	1 200	1 000	110 x 210 x 100	5,5
FRJJS 1501-1,3/3/40	1,3 / 1,5	3,00	40	1 275	980	110 x 210 x 100	5,5
FRJJS 1501-1,6/2/50	1,6 / 2,0	2,00	50	1 608	1 005	110 x 210 x 100	5,5
FRJJS 1501-1,8/0,7/130	1,8 / 2,0	0,70	130	1 850	1 030	110 x 210 x 100	5,5
FRJJS 1502-1,0/10/20	1,0 / 1,2	10,0	20	1 257	1 257	110 x 210 x 125	7
FRJJS 1502-1,5/3,68/30	1,5 / 1,7	3,68	30	1 560	1 040	110 x 210 x 125	7
FRJJS 1502-1,5/4,5/25	1,5 / 1,7	4,50	25	1 590	1 060	110 x 210 x 125	7
FRJJS 1503-0,8/20/15	0,8 / 1,0	20,0	15	1 206	1 508	110 x 210 x 162	9
FRJJS 1503-0,9/16/15	0,9 / 1,1	16,0	15	1 222	1 358	110 x 210 x 162	9
FRJJS 1503-1,5/6/20	1,5 / 1,7	6,00	20	1 700	1 133	110 x 210 x 162	9
FRJJS 1504-1,0/22/10	1,0 / 1,2	22,0	10	1 382	1 382	110 x 210 x 185	10
FRJJS 1504-1,3/16/10	1,3 / 1,5	16,0	10	1 700	1 006	110 x 210 x 185	10
FRJJS 1504-1,5/12/12	1,5 / 1,7	12,0	12	2 036	1 357	110 x 210 x 185	10

Other voltage, power and frequency on request.



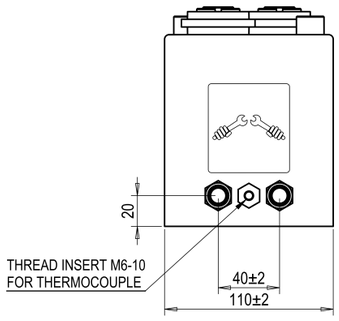
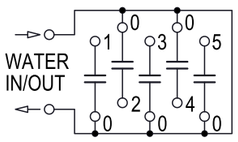


Diagram of connection:



FRJJS 19..-$U_n/C_n/f_n$



Maximum single parameters of product line

Max output	Q_{Nmax}	5 000 kvar
Max voltage	U_{Nmax}	2 500 V
Max current	I_{Nmax}	3 000 A
Max frequency	f_{Nmax}	200 000 Hz
Design	LIVE CASE	

Standards	IEC 60110-1:1998; EN 60110-1:1998
Capacitance tolerance	-5 / +10%
Ambient temperature	1°C ... 50°C
Power losses	< 0,35 W/kvar
Water-cooling	WF
Max. outlet water temperature	40°C
Water flow rate	> 8 l/min
Presure drop at 8 l/min	< 0,2 bar
Water pressure	6 bar
Over-voltage	1,05 x U_N; 12 hours/day
Over-current	1,15 x I_N
Voltage test between terminals	2,0x U_{MAX} AC / 10s or 4,0x U_{MAX} DC / 10s
Operation	only at cooled busbar <40°C
Case	copper welded, painted (RAL 7035)
Dielectric system	all-film
Impregnant	synthetic oil (non PCB)
Instalation	indoor
Protection degree	IP 00

Type	**U_N / U_{MAX}** (kV)	**C_N** (µF)	**f_N** (kHz)	**Q_N** (kvar)	**I_N** (A)	**Dimensions** W x L x H (mm)	**Weight** (kg)
FRJJS 1901-1,5/1,2/200	1,5 / 2,0	1,20	200	3 393	2 262	110 x 350 x 100	8
FRJJS 1901-1,5/2/150	1,5 / 2,0	2,00	150	4 241	2 827	110 x 350 x 100	8
FRJJS 1901-1,5/3/100	1,5 / 2,0	3,00	100	4 241	2 827	110 x 350 x 100	8
FRJJS 1901-2,0/1,2/120	2,0 / 2,4	1,20	120	3 600	1 508	110 x 350 x 100	8
FRJJS 1901-2,0/2/70	2,0 / 2,4	2,00	70	3 520	1 760	110 x 350 x 100	8
FRJJS 1902-1,0/18/20	1,0 / 1,2	18,0	20	2 260	2 260	110 x 350 x 125	10
FRJJS 1902-2,0/4,5/35	2,0 / 2,2	4,50	35	3 960	1 980	110 x 350 x 125	10
FRJJS 1903-0,8/24/20	0,8 / 1,3	24,0	20	1 930	2 412	110 x 350 x 162	13
FRJJS 1903-2,0/7,5/20	2,0 / 2,4	7,50	20	3 770	1 885	110 x 350 x 162	13
FRJJS 1904-1,8/12/15	1,8 / 2,2	12,0	15	3 664	2 036	110 x 350 x 185	14
FRJJS 1904-2,0/9,95/20	2,0 / 2,4	9,95	20	5 000	2 500	110 x 350 x 185	14
FRJJS 1904-2,0/18/10	2,0 / 2,0	18,0	10	4 525	2 263	110 x 350 x 185	14

Other voltage, power and frequency on request.

