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Power Factor Correction Capacitors Low Voltage



Power factor Correction Capacitors

GENERAL TECHNICAL INFORMATION

The PFCC capacitors are used for power-factor correction in supply systems, may be employed for individual compensation, for group compensation or for centralised compensation.

The capacitors are made of high quality metallized self-healing polypropylene film with very small dielectric loss and high dielectric strength.

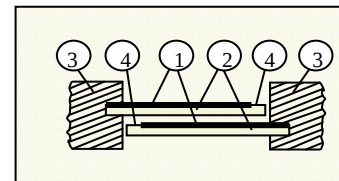
The entire capacitors assembled in cylindrical aluminium cases are filled with a vegetable oil which is PCB-free biodegradable and environmentally friendly.

The capacitors are available in options single phase or three-phase connection.

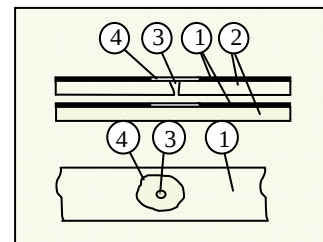
LONG LIFE – SELF-HEALING

In the event of a fault developing in the dielectric of the capacitor metallized electrode adjacent to the fault is immediately vaporised, this insulating the fault.

The capacitor then continues normal operation.



- 1 metallized layer
- 2 polypropylene film
- 3 bonding
- 4 free margin



- 1 metallized layer
- 2 polypropylene film
- 3 metal-free insulated halo
- 4 self healing area

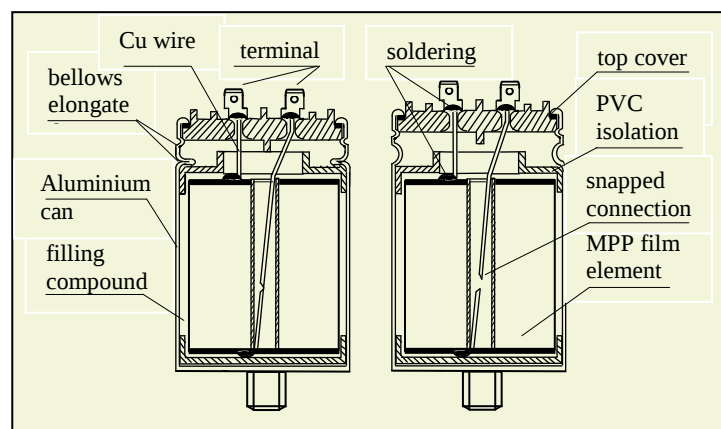
SAFETY DEVICE

The thin metal layer deposited on the surface of the dielectric makes these capacitors self-healing, preventing momentary voltage surges from causing permanent voltage breakdown. In case of abnormal pressures generated by internal or external heat permanent-breakdowns which are not “self-healed” capacitor experiences a failure and a notch on the wire which is especially designed disconnects the terminals from the element of capacitor and the bellows on the wall of the can expands vertically the capacitor becomes open and prevents from a dangerous failure.

Pressure sensitive interrupter act with the expansion of cylindrical case of capacitor and disconnecting the capacitor from the power source.

DISCHARGE RESISTOR

PFC-C Capacitors are delivered with discharge resistor able to discharge the capacitor to less 75 V within 3 minutes.



Power factor Correction Capacitors

TEHNICAL DATA

Rated Voltage	U_n	See selection list
Rated Power	kVA _r	See selection list
Rated Current	I_n	See selection list
Rated Frequency	f_n	50/60 Hz
Tolerance on capacitance		-5 / +10%
Losses		
- at the terminals		$\leq 0,3 \text{ W/kvar}$
- dielectric		$\leq 0,2 \text{ W/kvar}$
Insulation level	AC	$U_n \leq 660 \text{ V } 3/15\text{kV}$
Temperature class		-25/D (maximum +55°C), other categories on request
Permitted storage temperature		-30°C / +70°C
Cooling		Naturally air cooled (or forced cooled)
Permissible Relative Humidity	H_{rel}	95%
Degree of Protection		IP20 , other option on request
Installation / Application		Indoor
Mounting & Earthling		Threaded M12 stud at bottom of casing
Casing		Cylindrical-Extruded Aluminium can
Terminals		Faston double, M8screw, M12screw, Screw connector 16 to 35mm ²
Mounting position		Upright, horizontal
Discharge Resistor / Time		Standard discharge time $\leq 3\text{min.}$ to 75 V Other discharge time on request
Safety Features		Self Healing Pressure Sensitive Disconnecter (every phase PFC-C/D) Filling with plant oil (non PCB)
Dielectric		Metallized Polypropylene film
Permitted Overload	U_{max} I_{max}	$1,3 \times U_n$ (8 ur per day) $4 \times I_n$ (rated current)
In-rush current	I_{RSC}	$250 \times I_n$ max.
Test Voltage (Terminal – Terminal)	U_{TT}	$2,15 \times U_n$ AC 10sec
Test Voltage (Terminal – Casing)	U_{T-C}	$\leq 660\text{V}, 3600\text{V AC}$ 2sec
Standards		IEC Pub.831-1-2, EN60831-1+2

PFC-C/S Single Phase Capacitors

PFC-C/S Jednofazni kondenzatori

50Hz

50Hz

Single phase capacitors PFC-C/S for low voltage industrial Power Factor Correction. Loads like motors and transformers consume active power as well as reactive power.

High reliability and complete working security are the main characteristics of PFC-C/S series capacitors. The low voltage capacitors are assembled with the required protection devices and assembled into Al. case to give a quality product which will operate safely. The power range varies from 1,67 to 5 kVAr

Jednofazni kondenzatori tipa PFC-C/S namenjeni su za kompenzaciju jalove energije kod motora i transformatora.

Visoka sigurnost rada i dugi vek trajanja glavne su karakteristike ovih kondenzatora. Kondenzatori za niski napon izrađeni su u cilindričnom Al. kućištu sa mehaničkim osiguračem koji mu daje sigurnost kod rada. Kondenzatori PFC-C/S izrađuju se od snage 1,67 do 5 kVAr

Features

- Single phase
- Long useful life
- Self-healing technology
- Indoor mounting

Karakteristika

- Jednofazni
- Dugi vek trajanja
- Tehnologija samoozdravljenja
- Unutrašnja montaža

Applications

- Automatic PFC equipment
- Individual fixed (motors, transformers)
- Group fixed

Upotreba

- Automatske kompenzacijske naprave
- Fiksna kompenzacija (motori, transformatori)
- Grupna kompenzacija

Safety

- Self-healing
- Overpressure disconnecter
- Easy installation

Sigurnost

- Sposobnost samoozdravljivosti
- Nadpritiski osigurač
- Jednostavna montaža

Terminals

- Faston double

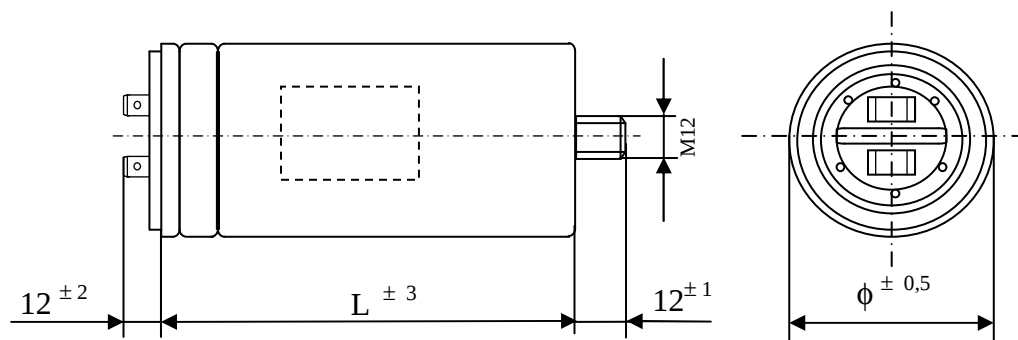
Priključci

- Faston priključak dvojni



PFC-C/S Single Phase Capacitors
PFC-C/S Jednofazni kondenzatori

50Hz
50Hz



Power Snaga (kVAr)	Voltage Napon (V _{AC} 50Hz)	Capacitance Kapacitivnost (μF)	Current Struja(A)	Dimensions Dimenzije φ x L(mm)
1,70	230	102,3	7,4	60x126
2,10	230	126,4	9,1	60x151
1,70	400	33,8	4,2	60x76
2,50	400	49,8	6,2	60x90
3,30	400	65,7	8,2	60x126
4,16	400	82,8	10,4	60x126
5,00	400	99,5	12,5	60x151
1,70	415	31,4	4,1	60x76
2,50	415	46,2	6,0	60x90
3,30	415	61,0	8,0	60x101
4,17	415	77,1	10,0	60x126
5,00	415	92,4	12,0	60x151
1,70	440	27,9	3,8	60x76
2,50	440	41,1	5,7	60x101
3,30	440	54,3	7,5	60x126
4,16	440	68,4	9,4	60x151
5,00	440	82,2	11,4	60x151
1,70	460	25,6	3,7	60x76
2,50	460	37,6	5,4	60x90
3,30	460	49,6	7,2	60x101
4,16	460	62,6	9,0	60x126
5,00	460	75,2	10,9	60x151
1,70	500	21,7	3,4	60x90
2,50	500	31,8	5,0	60x101
3,30	500	42,0	6,6	60x126
4,16	500	53,0	8,3	60x151
1,70	550	17,9	3,1	60x76
2,50	550	26,3	4,5	60x101
3,30	550	34,7	6,0	60x126
4,16	550	43,8	7,6	60x151
5,00	550	52,6	9,1	60x151

PFC-C/D Three Phase Capacitors

PFC-C/D Trofazni kondenzatori

50Hz
50Hz

Capacitors PFC-C/D series is a three phase integrated capacitor design particularly made for Power Factor Correction in commercial and industrial application.

The three Phase Capacitor is internally composed of three Single Phase Capacitor windings assembled in an optimized geometric design.

The entire capacitor assembly is housed in extruded Cylindrical aluminium case and sealed with a special double seaming technology. The output of these capacitors ranges from 7,5kVAr to 25kVAr.

Trofazni kondenzatori tipa PFC-C/D konstruirani su za namenu kompenzacije jalove energije za komercijalne i industrijske potrebe.

Kondenzator je sastavljen iz tri jednofazna kondenzatora koji su optimalno dimenzionirani u Al. kućištu. Svaka jedinica je zaštićena sa mehaničkim osiguračem koji osigurava sigurnost kod eksploatacije.

Kondenzatori se izrađuju u rasponu snage od 7,5 do 25 kVAr.

Features

- Three phase capacitors
- Long usefull life
≥ 100000 hours
- Self-healing technology
- Indoor mounting
- High pulse current with stand capability (200*In)

Karakteristika

- Trofazni kondenzatori
- Dugi vek trajanja
≥ 100000 sati
- Tehnologija samoozdravljenja
- Unutrašnja montaža
- Visoka strujna špica
(200*In)

Applications

- Power factor correction
- Automatic capacitor banks
- Individual fixed (motors transformers)
- Group fixed

Upotreba

- Kompenzacija jalove snage
- Automatske kompenzacijske naprave,
- Fiksna kompenzacija (motori , transformatori)
- Grupna kompenzacija

Safety

- Self-healing
- Overpressure disconnecter

Sigurnost

- Sposobnost samoozdravljivosti
- Nadpritiski osigurač

Terminals

- Screw terminals M8

Priključci

- Vijak M8

Environment

- Non-polluting, environment friendly product
- PCB-free

Ekologija

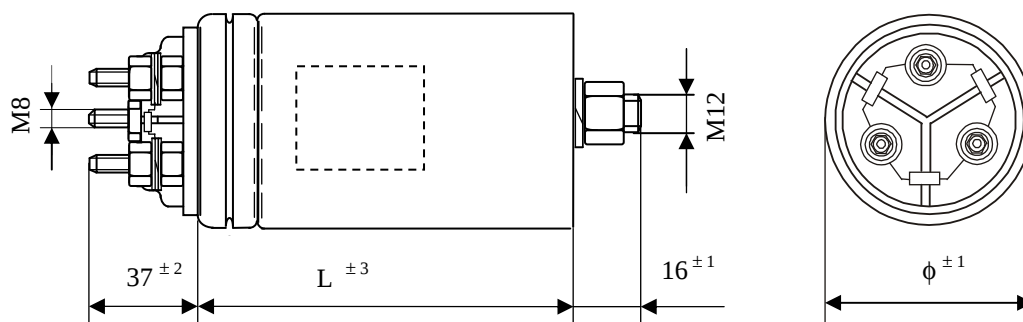
- Nema zagađenja okoliša, ekološki čist proizvod
- Ne sadrži PCB



PFC-C/D Three Phase Capacitors

PFC-C/D Trofazni kondenzatori

50Hz
50Hz



Power Snaga (kVAr)	Voltage Napon (V _{AC} 50Hz)	Capacitance Kapacitivnost (μF)	Current Struja (A)	Dimensions Dimenzije φ x L (mm)
5	230	3x100,3	12,6	85x205
7,5	230	3x150,4	18,8	85x280
10	230	3x200,5	25,5	85x355
7,5	400	3x49,8	10,8	85x165
8,3	400	3x55,0	11,9	85x165
10	400	3x66,3	14,4	85x205
12,5	400	3x82,9	18,0	85x245
15	400	3x99,5	21,6	85x245
20	400	3x132,6	28,8	85x355
25	400	3x165,8	36,0	85x355
7,5	415	3x46,2	10,4	85x165
8,3	415	3x51,1	11,5	85x165
10	415	3x61,6	13,9	85x205
12,5	415	3x77,0	17,4	85x205
15	415	3x92,4	20,9	85x245
20	415	3x123,2	27,8	85x280
25	415	3x154,0	34,8	85x355
7,5	450	3x41,1	9,8	85x165
10	450	3x54,8	13,1	85x205
12,5	450	3x68,5	16,4	85x245
15	450	3x82,2	19,7	85x280
20	450	3x109,6	26,2	85x355
25	450	3x109,6	26,2	85x355
6,3	480	3x29,0	7,6	85x205
7,5	480	3x34,5	9,0	85x205
8,3	480	3x38,2	10,0	85x205
10	480	3x46,0	12,0	85x245
12,5	480	3x57,6	15,0	85x280
15	480	3x69,0	18,0	85x355
16,7	480	3x76,9	20,0	85x355
6,3	525	3x24,3	6,9	85x165
7,5	525	3x28,9	8,2	85x205
8,3	525	3x31,9	9,1	85x205
10	525	3x38,5	11,0	85x205
12,5	525	3x48,1	13,7	85x245
15	525	3x57,7	16,5	85x280
16,7	525	3x64,3	18,4	85x355
20	525	3x77,0	22,0	85x355

PFC-C/D-T Three Phase Capacitors

PFC-C/D-T Trofazni kondenzatori

50Hz
50Hz

The PFC-C/DT type Power Capacitor represents a high and solution to the problem of Power Factor Correction. The capacitor D-T series is follow on development of the PFC-C/D series. D-T series intended for industrial applications.

These Capacitors feature the use of a specially designed Metallised polypropylene film as the dielectric to ensure a high working life with very low losses

Kondenzatori tipa PFC-C/D-T rešenje su problema kod kompenzaciju jalove energije. Serija D-T je nastavak razvoja kondenzatora tipa PFC-C/D. Kondenzatori tipa PFC-C/D-T namenjeni su za kompenzaciju jalove energije u indusrtiji.

Značaj tih kondenzatora je posebno dizajniran metalizirani polypropylen koji mu daje dugi životni vek i male unutarnje gubit

Features

- Three phase capacitors
- Ensuring high capacitance stability
- Self-healing technology
- Long life expectancy
- High pulse current with stand capability (250*In)

Karakteristika

- Trofazni kondenzatori
- Visoka stabilnost kapacitivnosti
- Tehnologija samo-ozdravljenja
- Dugi vek trajanja
- Visoka strujna špica (250*In)

Applications

- Power factor correction
- Automatic capacitor banks
- Individual fixed (motors , transformers)
- Group fixed

Upotreba

- Kompenzacija jalove snage
- Automatske kompenzacijske naprave
- Fiksna kompenzacija (motori , transformatori)
- Grupna kompenzacija

Safety

- Total safety
- Self-healing
- Overpressure disconnecter dual

Sigurnost

- Potpuna sigurnost
- Sposobnost samoozdravljivosti
- Nadpritisni dvojni osigurač

Terminals

- Three phase terminals of 2,5-16mm² and 4-35mm² cable

Priključci

- Trofazni priključak od 2,5-16mm² 4-35mm² priključne žice

Environment

- Non-polluting, environment friendly product
- PCB-free

Ekologija

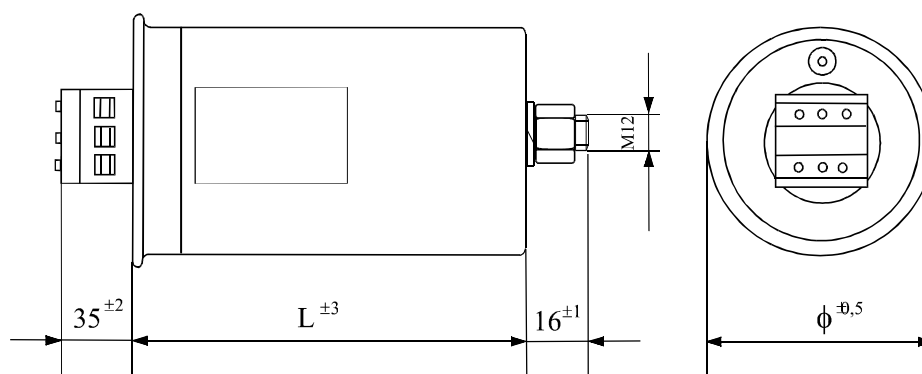
- Nema zagađenja okoliša, ekološki čist proizvod
- Ne sadrži PCB



PFC-C/D -T Three Phase Capacitors

PFC-C/D -T Trofazni kondenzatori

50Hz
50Hz



Power Snaga (kVAr)	Voltage Napon (V _{AC} 50Hz)	Capacitance Kapacitivnost (μF)	Current Struja (A)	Dimensions Dimenzije φ x L (mm)
5	230	3x100,3	12,6	100x170
12,5	230	3x250,7	31,7	100x285
5,0	400	3x33,1	7,2	100x170
7,5	400	3x49,8	10,8	100x170
10	400	3x66,3	14,4	100x170
12,5	400	3x82,9	18,0	100x170
15	400	3x99,5	21,6	100x210
20	400	3x132,6	28,8	100x285
25	400	3x165,8	36,0	100x285
30	400	3x198,9	43,3	100x285
5	440	3x27,4	6,8	100x170
7,5	440	3x41,1	9,8	100x170
10	440	3x54,8	13,1	100x170
12,5	440	3x68,5	16,4	100x170
15	440	3x82,2	19,7	100x170
20	440	3x109,6	26,2	100x210
25	440	3x137,0	32,8	100x285
30	440	3x164,4	39,3	100x285
5	480	3x23,0	6,0	100x170
7,5	480	3x34,5	9,0	100x170
10	480	3x46,0	12,0	100x170
12,5	480	3x57,6	15,0	100x170
15	480	3x69,0	18,0	100x210
20	480	3x92,1	24,0	100x210
25	480	3x115,1	30,0	100x285
30	480	3x138,1	36,0	100x285
5	525	3x19,2	5,5	100x170
7,5	525	3x28,9	8,2	100x170
10	525	3x38,5	11,0	100x170
12,5	525	3x48,1	13,7	100x210
15	525	3x57,7	16,5	100x210
20	525	3x77,0	22,0	100x285
25	525	3x96,2	27,5	100x285

PFC-C/D-TDry Three Phase Capacitors

PFC-C/D-TDry Trofazni kondenzatori

50Hz
50Hz

The PFC-C/D-TD series to be used for Power Factor Correction in low voltage plants. Used MPP technology consists of Metallized Polypropylene film with extremely low loss factor. The specially of the metallization thickness considerably betters capacitors performances. With resulting reduction of Power factor Correction systems dimension The dielectric system is self-healing and has no liquid impregnant (Dry Technology)

Kondenzatori PFC-C/D-TD namenjeni su za kompenzaciju jalove snage u nisko naponskoj mreži . U konstrukciji kondenzatora upotrebljava se visoko kvalitetan metalizirani polypropilen sa iznimno niskim gubitcima. Specijalna tehnologija tretmana polypropilena omogućava bolje kondenzatorske karakteristike sa malim vanjskim dimenzijama. Kondenzator je izrađen u " Dry " tehnologiji.

Features

Karakteristika

- | | |
|---|------------------------------------|
| - Three phase capacitors | - Trofazni kondenzatori |
| - Ensuring high capacitance stability | - Visoka stabilnost kapacitivnosti |
| - Self-healing technology | - Tehnologija samo-ozdravljenja |
| - Long life expectancy | - Dugi vjek trajanja |
| - High pulse current with stand capability (250*In) | - Visoka strujna špica (250*In) |

Applications

Upotreba

- | | |
|--|---|
| - Power factor correction | - Kompenzacija jalove snage |
| - Automatic capacitor banks | - Automatske kompenzacijske naprave |
| - Individual fixed (motors , transformers) | - Fiksna kompenzacija (motori , transformatori) |
| - Group fixed | - Grupna kompenzacija |

Safety

Sigurnost

- | | |
|----------------------------------|---------------------------------|
| - Total safety | - Potpuna sigurnost |
| - Self-healing | - Sposobnost samoozdravljivosti |
| - Overpressure disconnecter dual | - Nadpritiski dvojni osigurač |

Terminals

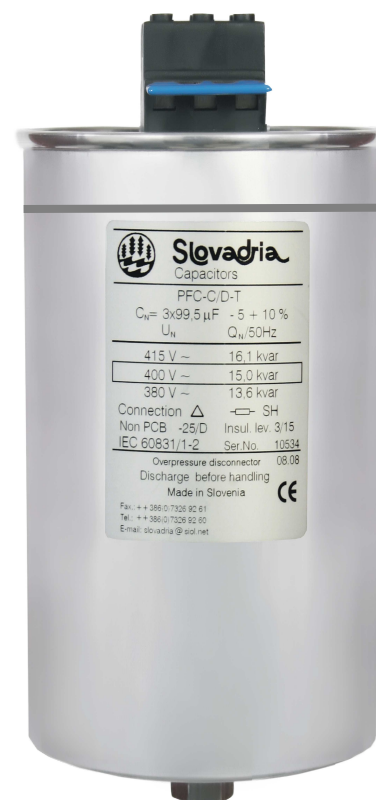
Priključci

- | | |
|--|--|
| - Three phase terminals of 2,5-16mm ² and 4-35mm ² cable | - Trofazni priključak od 2,5-16mm ² 4-35mm ² priključne žice |
|--|--|

Environment

Ekologija

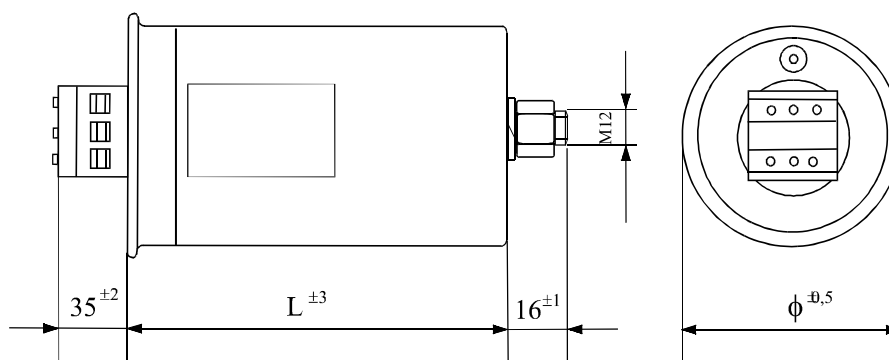
- | | |
|---|--|
| - Non-polluting, environment friendly product | - Nema zagađenja okoliša, ekološki čist proizvod |
| - PCB-free | - Ne sadrži PCB |



PFC-C/D-TDry Three Phase Capacitors

PFC-C/D-TDry Trofazni kondenzatori

50Hz
50Hz



Power Snaga (kVAr)	Voltage Napon (V _{AC} 50Hz)	Capacitance Kapacitivnost (μF)	Current Struja (A)	Dimensions Dimenzije φ x L (mm)
5	230	3x100,2	12,6	100x170
12,5	230	3x250,7	37,6	100x285
5,0	400	3x33,1	7,2	100x170
7,5	400	3x49,8	10,8	100x170
10	400	3x66,3	14,4	100x170
12,5	400	3x82,9	18,0	100x170
15	400	3x99,5	21,6	100x210
20	400	3x132,6	28,8	100x285
25	400	3x165,8	36,0	100x285
30	400	3x198,9	43,3	100x285
5	440	3x27,4	6,5	100x170
7,5	440	3x41,1	9,8	100x170
10	440	3x54,8	13,1	100x170
12,5	440	3x68,5	16,4	100x170
15	440	3x82,2	19,6	100x170
20	440	3x109,6	26,2	100x210
25	440	3x137,0	32,8	100x285
30	440	3x164,4	39,3	100x285
5	480	3x23,0	6,0	100x170
7,5	480	3x34,5	9,0	100x170
10	480	3x46,0	12,0	100x170
12,5	480	3x57,6	15,0	100x170
15	480	3x69,0	18,0	100x210
20	480	3x92,1	24,0	100x210
25	480	3x115,1	30,0	100x285
30	480	3x138,1	30,0	100x285
5	525	3x19,2	5,5	100x170
7,5	525	3x28,9	8,2	100x170
10	525	3x38,5	11,0	100x170
12,5	525	3x48,1	13,7	100x210
15	525	3x57,7	16,5	100x210
20	525	3x77,0	22,0	100x285
25	525	3x96,2	27,5	100x285

PFC-C/D-H Three Phase Capacitors

PFC-C/D-H Trofazni kondenzatori

50Hz
50Hz

The PFC-C/D-H capacitors are used for power factor correction in supply systems, may be employed for individual or for group compensation.

The capacitors serial D-H (modular unit) is a components extremely reliable and safety duality. The three phase unit is obtained with a delta connection of the single phase elements inside the metal case with the pressure sensitive disconnectors and discharge resistors. The ratings these capacitors ranges from 5kVAr to 120kVAr, are supplied assembled only on request

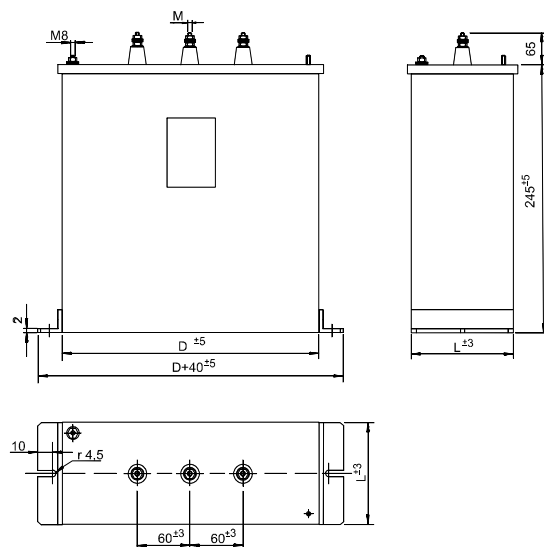
Kondenzatori su namenjeni za kompenzaciju jalove energije instalirani za fiksnu i grupnu kompenzaciju

Kondenzatori tipa PFC-C/D-H (modularni način povezivanja) su jedinice koje su vrlo sigurne kod eksploatacije. Svaki od unutrašnjih elementa koji su međusobno povezani u trokut, imaju kao zaštitu nadpritisni osigurač i otpor za pražnjenje.

Kondenzatori se izrađuju u rasponu snage od 5kVAr do 120 kVAr. Na zahtev su moguće i druge opcije.

Features	Karakteristika
- Three phase capacitors (Single phase capacitors) - Self-healing technology - Long life expectancy	- Trofazni kondenzatori (jednofazni kondenzatori) - Tehnologija samo-ozdravljenja - Dugi vek trajanja
Applications	Upotreba
- Power factor correction - Individual fixed (motors , transformers) - Group fixed	- Kompenzacija jalove snage - Fiksna kompenzacija (motori, transformatori) - Grupna kompenzacija
Safety	Sigurnost
- Dual safety - Self-healing	- Dvojna sigurnost zaštite - Sposobnost samoozdravljivosti
Terminals	Priključci
- Three phase terminals M8 and M12 scrow	- Priključne provodnice sa vijkom M8 i M12 (200A)
Environment	Ekologija
- Non-polluting, environment friendly product - PCB-free	- Nema zagađenja okoliša, ekološki čist proizvod - Ne sadrži PCB





Power Snaga (kVAr)	Voltage Napon (V _{AC} 50Hz)	Capacitance Kapacitivnost (μF)	Current Struja (A)	D (mm)	L (mm)	M (mm)
5	230	3x100,3	12,5	190	70	8
7,5	230	3x150,4	18,8	380	70	8
10	230	3x200,6	25,1	380	70	8
12,5	230	3x250,7	31,1	380	70	8
15	230	3x300,9	37,6	380	140	8
20	230	3x401,1	50,2	380	140	12
25	230	3x501,4	62,7	380	140	12
5	400	3x33,2	7,2	190	70	8
7,5	400	3x49,7	10,8	190	70	8
10	400	3x66,3	14,4	190	70	8
12,5	400	3x82,9	18,0	190	70	8
15	400	3x99,5	21,6	190	70	8
20	400	3x132,6	28,8	380	70	8
25	400	3x165,8	36,0	380	70	8
30	400	3x198,9	43,3	380	70	8
40	400	3x265,3	57,7	380	140	12
50	400	3x331,6	72,2	380	140	12
60	400	3x397,9	86,6	380	140	12
5	550	3x17,5	5,2	190	70	8
7,5	550	3x26,3	7,8	190	70	8
10	550	3x35,1	10,5	190	70	8
12,5	550	3x43,8	13,1	190	70	8
15	550	3x52,6	15,7	190	70	8
20	550	3x70,1	21,0	380	70	8
25	550	3x87,7	26,2	380	70	8
30	550	3x105,2	31,5	380	70	8
40	550	3x140,3	42,0	380	140	12
50	550	3x175,4	52,5	380	140	12
60	550	3x210,4	63,0	380	140	12

PFC-C/D-HP Three Phase Capacitors

PFC-C/D-HP Trofazni kondenzatori

50Hz
50Hz

The PFC-C/D-HP capacitors are used for power factor correction in supply systems, may be employed for individual or for group compensation.

The capacitors serial D-HP is a components extremely reliable and safety duality. The three phase unit is obtained with a delta connection of the single phase elements inside the metal case with the pressure sensitive disconnectors and discharge resistors. The ratings these capacitors ranges from 5kVAr to 120kVAr, are supplied assembled only on request

Kondenzatori su namenjeni za kompenzaciju jalove energije instalirani za fiksnu i grupnu kompenzaciju

Kondenzatori tipa PFC-C/D-HP su jedinica koja su vrlo sigurne kod eksploatacije. Svaki od unutrašnjih elementa koji su međusobno povezani u trokut, imaju kao zaštitu nadpritisni osigurač i otpor za pražnjenje.

Kondenzatori se izrađuju u rasponu snage od 5kVAr do 120 kVAr. Na zahtjev su moguće i druge opcije.

Features

Karakteristika

- | | |
|---|---|
| - Three phase capacitors (Single phase capacitors) | - Trofazni kondenzatori (jednofazni kondenzatori) |
| - Self-healing technology | - Tehnologija samo-ozdravljenja |
| - Long life expectancy | - Dugi vek trajanja |

Applications

Upotreba

- | | |
|--|---|
| - Power factor correction | - Kompenzacija jalove snage |
| - Individual fixed (motors , transformers) | - Fiksna kompenzacija (motori , transformatori) |
| - Group fixed | - Grupna kompenzacija |

Safety

Sigurnost

- | | |
|----------------|---------------------------------|
| - Dual safety | - Dvojna sigurnost zaštite |
| - Self-healing | - Sposobnost samoozdravljivosti |

Terminals

Priključci

- | | |
|--|---|
| - Three phase terminals M8 and M12 screw | - Priključne provodnice sa vijkom M8 i M12 (200A) |
|--|---|

Environment

Ekologija

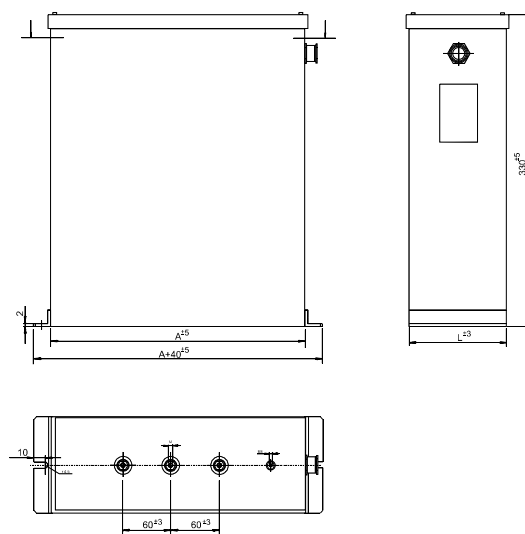
- | | |
|--|--|
| -Non-polluting, environment friendly product | - Nema zagađenja okoliša, ekološki čist proizvod |
| -PCB-free | - Ne sadrži PCB |



PFC-C/D-HP Three Phase Capacitors

PFC-C/D-HP Trofazni kondenzatori

50Hz
50Hz



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30	550	3x105,2	31,5	380	140	8
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50	550	3x175,4	52,5	380	140	12
60	550	3x210,4	63,0	380	140	12



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