

## XF30DPGS5C





## Single-phase

## EMI filter 2 stages 30A 115-250Vac

Type         F30DPGSSC           HS code         85363030           GENERAL TECHNICAL DATA         T           Rated voltage         115−250 Vac ± 10%           Continuous current         30 A           Leakage current         1 mA (115 Vac) / 2mA (250 Vac)           Frequency         5060 Hz           Operating temperature range         -25+100°C           Isolation L / L         1.45 kVdc / 60 s (2)           Solation L / PE         2.25 kVdc / 60 s (2)           Protection degree         IP 00           Connection terminal         flat plug (from 3 to 20 A) / self-blocking nut (30 Housing material           Dimensions (LxHxD)         86x120x58 mm           Approximate weight         Mounting information         screw fixing, on metal panel           Common mode (L/PE) attenuation (dB)         10         5.5 MHz           0.15 MHz         30         30           MHz         35         5           10 MHz         45         30           30 MHz         45         30           MHz         18         6           0.5 MHz         45         45           10 MHz         45         45           MHz         45         45	Code	XF30DPGS5C
GENERAL TECHNICAL DATA         115-250 Vac ± 10%           Continuous current         30 A           Leakage current         1 mA (115 Vac) / 2mA (250 Vac)           Frequency         5060 Hz           Operating temperature range         -25+100°C           Isolation L / L         1.45 kVdc / 60 s (2)           Isolation L / PE         2.25 kVdc / 60 s (2)           Protection degree         IP 00           Connection terminal         flat plug (from 3 to 20 A) / self-blocking nut (30 metallic           Dimensions (LxHxD)         86x120x58 mm           Approximate weight         screw fixing, on metal panel           Common mode (L/PE) attenuation (dB)         10           0.15 MHz         30           10 MHz         35           5 MHz         55           10 MHz         30           O.15 MHz         45           O.5 MHz	Туре	F30DPGS5C
Rated voltage         115-250 Vac ± 10%           Continuous current         30 A           Leakage current         1 mA (115 Vac) / 2mA (250 Vac)           Frequency         5060 Hz           Operating temperature range         -25+100°C           Isolation L / L         1.45 kVdc / 60 s (2)           Isolation L / PE         2.25 kVdc / 60 s (2)           Protection degree         IP 00           Connection terminal         flat plug (from 3 to 20 A) / self-blocking nut (30 Mousing material           Dimensions (LxHxD)         86x120x58 mm           Approximate weight         Approximate weight           Mounting information         screw fixing, on metal panel           Common mode (L/PE) attenuation (dB)         10           0.15 MHz         30           1 MHz         35           5 MHz         30           10 MHz         45           30 MHz         30           Differential mode (L/PE) attenuation (dB)         18           0.5 MHz         18           0.5 MHz         45           1 MHz         50           5 MHz         45           1 MHz         50           5 MHz         40           10 MHz         40	HS code	85363030
Continuous current         30 A           Leakage current         1 mA (115 Vac) / 2mA (250 Vac)           Frequency         5060 Hz           Operating temperature range         -25+100°C           Isolation L / L         1.45 kVdc / 60 s (2)           Isolation L / PE         2.25 kVdc / 60 s (2)           Protection degree         IP 00           Connection terminal         flat plug (from 3 to 20 A) / self-blocking nut (30 metallic           Dimensions (LxHxD)         86x120x58 mm           Approximate weight         screw fixing, on metal panel           Common mode (L/PE) attenuation (dB)         10           0.15 MHz         30           1 MHz         35           5 MHz         35           10 MHz         45           30 MHz         30           Differential mode (L/PE) attenuation (dB)         18           0.15 MHz         18           0.5 MHz         45           1 MHz         50           5 MHz         45           1 MHz         50           5 MHz         40           10 MHz         40           30 MHz         40	GENERAL TECHNICAL DATA	
Leakage current         1 mA (115 Vac) / 2mA (250 Vac)           Frequency         5060 Hz           Operating temperature range         -25+100°C           Isolation L / L         1.45 kVdc / 60 s (2)           Isolation L / PE         2.25 kVdc / 60 s (2)           Protection degree         IP 00           Connection terminal         flat plug (from 3 to 20 A) / self-blocking nut (30 Housing material           Dimensions (LxHxD)         86x120x58 mm           Approximate weight         Screw fixing, on metal panel           Common mode (L/PE) attenuation (dB)         10           0.15 MHz         30           1 MHz         35           5 MHz         35           10 MHz         45           30 MHz         30           Differential mode (L/PE) attenuation (dB)         18           0.15 MHz         45           10 MHz         40	Rated voltage	115-250 Vac ± 10%
Frequency   5060 Hz	Continuous current	30 A
District   Common mode (L/PE) attenuation (dB)   Differential mo	Leakage current	1 mA (115 Vac) / 2mA (250 Vac)
Isolation L / L	Frequency	5060 Hz
Isolation L / PE	Operating temperature range	-25+100°C
Protection degree IP 00  Connection terminal flat plug (from 3 to 20 A ) / self-blocking nut (30 metallic  Dimensions (LxHxD) 86x120x58 mm  Approximate weight  Mounting information screw fixing, on metal panel  Common mode (L/PE) attenuation (dB)  0.15 MHz 10 0.5 MHz 30 1 MHz 35 5 MHz 55 10 MHz 45 30 MHz 30 Differential mode (L/PE) attenuation (dB)  0.15 MHz 18 0.5 MHz 18 0.5 MHz 18 0.5 MHz 18 0.5 MHz 45 10 MHz 40 10 MHz 40 10 MHz 40	Isolation L / L	1.45 kVdc / 60 s (2)
Connection terminal flat plug (from 3 to 20 A ) / self-blocking nut (30 Housing material metallic  Dimensions (LxHxD) 86x120x58 mm  Approximate weight  Mounting information screw fixing, on metal panel  Common mode (L/PE) attenuation (dB)  0.15 MHz 10 0.5 MHz 30 1 MHz 35 5 MHz 55 10 MHz 45 30 MHz 30 Differential mode (L/PE) attenuation (dB)  0.15 MHz 18 0.5 MHz 18 0.5 MHz 18 0.5 MHz 45 1 MHz 55 5 MHz 45 1 MHz 46 1 MHz 40 1 MHz 40 3 MHz 40 3 MHz 40	Isolation L / PE	2.25 kVdc / 60 s (2)
Housing material metallic	Protection degree	IP 00
Dimensions (LxHxD)         86x120x58 mm           Approximate weight         Screw fixing, on metal panel           Common mode (L/PE) attenuation (dB)         10           0.15 MHz         10           0.5 MHz         30           1 MHz         35           5 MHz         55           10 MHz         45           30 MHz         30           Differential mode (L/PE) attenuation (dB)         0           0.15 MHz         18           0.5 MHz         45           1 MHz         50           5 MHz         40           10 MHz         40           30 MHz         40           30 MHz         40	Connection terminal	flat plug (from 3 to 20 A) / self-blocking nut (30 A)
Approximate weight         Screw fixing, on metal panel           Common mode (L/PE) attenuation (dB)         10           0.15 MHz         10           0.5 MHz         30           1 MHz         35           5 MHz         55           10 MHz         45           30 MHz         30           Differential mode (L/PE) attenuation (dB)         0.15 MHz         18           0.5 MHz         45           1 MHz         50           5 MHz         40           10 MHz         40           30 MHz         40           30 MHz         40	Housing material	metallic
Mounting information         screw fixing, on metal panel           Common mode (L/PE) attenuation (dB)         10           0.15 MHz         10           0.5 MHz         30           1 MHz         35           5 MHz         55           10 MHz         45           30 MHz         30           Differential mode (L/PE) attenuation (dB)         8           0.15 MHz         18           0.5 MHz         45           1 MHz         50           5 MHz         40           10 MHz         40           30 MHz         40	Dimensions (LxHxD)	86x120x58 mm
Common mode (L/PE) attenuation (dB)       0.15 MHz     10       0.5 MHz     30       1 MHz     35       5 MHz     55       10 MHz     45       30 MHz     30       Differential mode (L/PE) attenuation (dB)       0.15 MHz     18       0.5 MHz     45       1 MHz     50       5 MHz     40       10 MHz     40       30 MHz     40	Approximate weight	
0.15 MHz     10       0.5 MHz     30       1 MHz     35       5 MHz     55       10 MHz     45       30 MHz     30       Differential mode (L/PE) attenuation (dB)       0.15 MHz     18       0.5 MHz     45       1 MHz     45       5 MHz     40       10 MHz     40       30 MHz     40       30 MHz     40	Mounting information	screw fixing, on metal panel
0.5 MHz     30       1 MHz     35       5 MHz     55       10 MHz     45       30 MHz     30       Differential mode (L/PE) attenuation (dB)       0.15 MHz     18       0.5 MHz     45       1 MHz     50       5 MHz     40       10 MHz     40       30 MHz     40	Common mode (L/PE) attenuation (dB)	
1 MHz     35       5 MHz     55       10 MHz     45       30 MHz     30       Differential mode (L/PE) attenuation (dB)       0.15 MHz     18       0.5 MHz     45       1 MHz     50       5 MHz     40       10 MHz     40       30 MHz     40	0.15 MHz	10
5 MHz 55  10 MHz 45  30 MHz 30  Differential mode (L/PE) attenuation (dB)  0.15 MHz 18  0.5 MHz 45  1 MHz 50  5 MHz 45  1 MHz 50  5 MHz 40  10 MHz 40  30 MHz 40	0.5 MHz	30
10 MHz     45       30 MHz     30       Differential mode (L/PE) attenuation (dB)       0.15 MHz     18       0.5 MHz     45       1 MHz     50       5 MHz     40       10 MHz     40       30 MHz     40	1 MHz	35
30 MHz 30  Differential mode (L/PE) attenuation (dB)  0.15 MHz 18  0.5 MHz 45  1 MHz 50  5 MHz 40  10 MHz 40  30 MHz 40	5 MHz	55
Differential mode (L/PE) attenuation (dB)       0.15 MHz     18       0.5 MHz     45       1 MHz     50       5 MHz     40       10 MHz     40       30 MHz     40	10 MHz	45
0.15 MHz     18       0.5 MHz     45       1 MHz     50       5 MHz     40       10 MHz     40       30 MHz     40	30 MHz	30
0.5 MHz     45       1 MHz     50       5 MHz     40       10 MHz     40       30 MHz     40	Differential mode (L/PE) attenuation (dB)	
1 MHz 50 5 MHz 40 10 MHz 40 30 MHz 40	0.15 MHz	18
5 MHz 40 10 MHz 40 30 MHz 40	0.5 MHz	45
10 MHz 40 30 MHz 40		50
30 MHz 40	5 MHz	40
ACCESSORIES		40
	ACCESSORIES	
APPROVALS AND MARKINGS	APPROVALS AND MARKINGS	, <b>, %</b>



<sup>\*</sup> Models from 3 to 30 A\* Elevated attenuation from 150 kHz to 30 MHz\* Elevated attenuation even on long cables\* Compact dimension 1 (1) Produced on demand, contact our sales office for availability2 (2) Isolation test need to be made in DC voltage, according to EN 60950, cause by the internal filter capacitors.

## **DESCRIZIONE DEL PRODOTTO**

F30DPGS5C Single-phase EMI filter 2 stages 30A 115-250Vac