



## Filtro EMI-RFI con eccellente attenuazione per applicazioni industriali

Data 03-2019

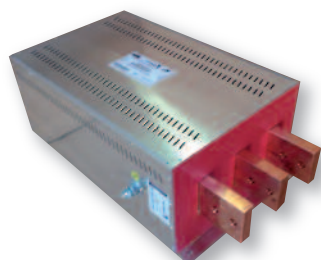
**OMOLOGAZIONI:**

 UL1283  
CSA C22.2

**SCCR** by UL508A

**FIN538S1.(007 – 180).M**

**FIN538S1.(250 – 280).V**

**FIN538S1.(280 – 1750).BC**

**FIN538S1.(1750 – 3000).BC**
**CARATTERISTICHE**

- Corrente nominale da 7 a 3000A
- Eccellente attenuazione di modo comune e differenziale
- Bassa corrente di fuga
- Morsetti fino a 180A

**MERCATI**

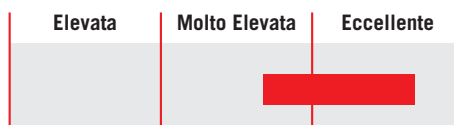
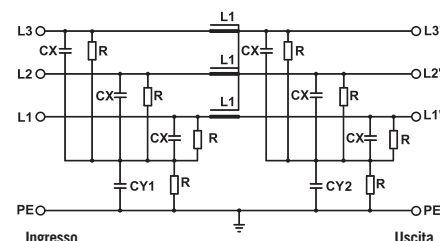
- Macchine utensili
- Macchine automatiche industriali
- Inverter e azionamenti elettrici
- Sistemi rigenerativi
- Impianti di energia rinnovabile

**BENEFICI**

- 5 anni di garanzia
- Differenti tipi di connessione disponibili
- Alta attenuazione in dimensioni compatte
- Barre di rame verticali disponibili a richiesta

**CODICE**

FIN538S1	.007	.M
Modello	Corrente (A)	Connessione
		M = Morsetto
		V = Screw
		BC = Bus bar

**INDICATORE ATTENUAZIONE**

**SCHEMA ELETTRICO**

**SPECIFICHE TECNICHE**

Tensione nominale	0 / 600 Vac
Frequenza	50 – 60 Hz
Corrente nominale	da 7 a 3000A
Test dielettrico fase - fase	2400 Vdc (2 sec.)
Test dielettrico fase - terra	3200 Vdc (2 sec.)
Corrente di fuga in condizioni normali	< 10 mA *
Corrente di fuga con due fasi interrotte	< 80 mA
Protezione IP	IP20 fino a 180A IPO0 oltre 180A (IP20 disponibile con FINPRT)
Sovraccarico	4 x Corrente nominale (Interruttore ON) 2 x Corrente nominale 10 secondi 1.5 x Corrente nominale 10 minuti
Classe climatica	-40 / +85° C
MTBF at 40°C	250.000 Hrs

\* Tensione 230Vac fase terra 50Hz /40C

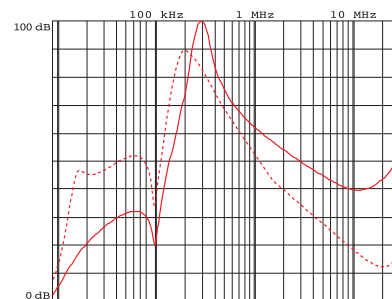
### CARATTERISTICHE ELETTRICHE

FIN538S1	Corrente Nominale 40°C	Corrente Nominale 50°C	Potenza Dissipata (W)
.007.M	8	7	3
.016.M	18	16	4
.030.M	34	30	10
.042.M	47	42	18
.055.M	60	55	23
.075.M	83	75	37
.100.M	110	100	52
.130.M	142	130	65
.180.M	200	180	77

### CONNESSIONI

LINEA			PE	
Cavo Rigido (mm <sup>2</sup> )	Cavo Multifilare (mm <sup>2</sup> )	Coppia Morsetto (Nm)	d1 (mm)	Coppia (Nm)
0.2-10	0.2-6	1.2	M10	6
0.2-10	0.2-6	1.2	M10	6
0.2-10	0.2-6	1.2	M10	6
0.5-16	0.5-10	1.8	M10	6
0.5-16	0.5-10	1.8	M10	6
6-35	4-25	4.5	M10	6
10-50	10-50	4.0	M10	6
10-50	10-50	4.0	M10	6
35-95	35-95	20.0	M10	6

### ATTENUAZIONE TIPICA

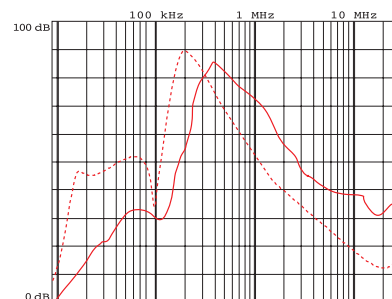


— Modo Comune    - - - Modo Differenziale

#### Attenuazione tipica 7A – 400A

FIN538S1	Corrente Nominale 40°C	Corrente Nominale 50°C	Potenza Dissipata (W)
.250.V	272	250	80
.280.V	290	280	80
.280.BC	297	280	80
.320.BC	330	320	80
.360.BC	390	360	105
.400.BC	435	400	110
.500.BC	545	500	102
.600.BC	654	600	108
.750.BC	800	750	96
.900.BC	940	900	80
.1000.BC	1050	1000	115
.1250.BC	1290	1250	101
.1500.BC	1550	1500	120
.1600.BC	1650	1600	130
.1750.BC	1800	1750	135
.2000.BC	2040	2000	138
.2250.BC	2290	2250	145
.2500.BC	2535	2500	170
.3000.BC	3050	3000	180

LINEA		PE	
d (mm)	Coppia (Nm)	d1 (mm)	Coppia (Nm)
M12	20	M10	18
M12	20	M10	18
M8	14	M10	18
M8	14	M10	18
M8	14	M10	18
M8	14	M10	18
M8	14	M10	18
M10	25	M10	18
M10	25	M10	18
M12	50	M12	20
M12	50	M12	20
M12	50	M12	20
M12	50	M12	20
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M12	50	M12	20
M12	50	M12	20

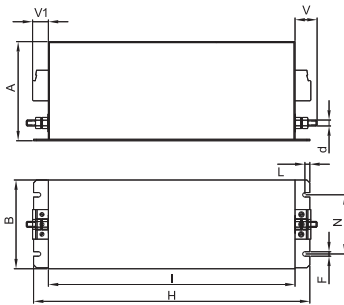
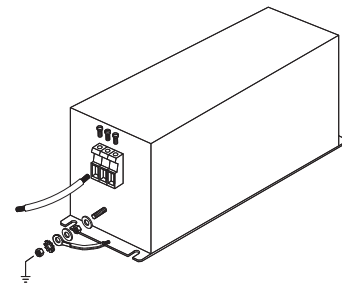


— Modo Comune    - - - Modo Differenziale

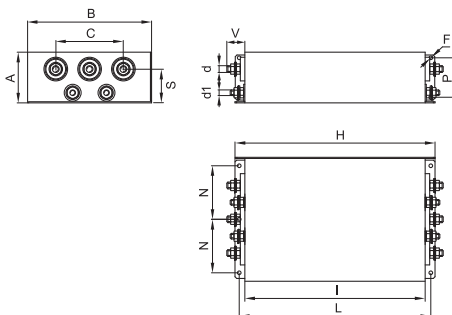
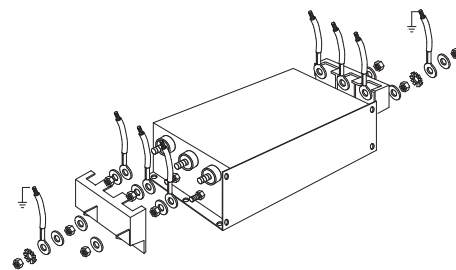
#### Attenuazione tipica 500A – 3000A

**DIMENSIONI MECCANICHE mm**

FIN538S1	A	B	V	V1	F	H	I	L	N	d	Peso Kg.	Custodia
.007.M	100	90	22	16	5.4	250	220	7.5	60	M6	1.3	1
.016.M	100	90	22	16	5.4	250	220	7.5	60	M6	1.3	1
.030.M	100	90	22	16	5.4	250	220	7.5	60	M6	1.3	1
.042.M	100	90	22	35	5.4	250	220	7.5	60	M6	1.5	2
.055.M	100	90	22	35	5.4	250	220	7.5	60	M6	1.5	2
.075.M	135	85	22	39	6.5	270	240	7.5	60	M6	2.2	3
.100.M	155	90	24	43	6.5	270	240	7.5	65	M10	3.2	4
.130.M	155	90	24	43	6.5	270	240	7.5	65	M10	3.2	4
.180.M	170	125	26	51	6.5	380	350	7.5	102	M10	5.5	5

**CASE 1, 2, 3, 4, 5**

**ASSEMBLAGGIO CONNESSIONE "M"**

**DIMENSIONI MECCANICHE mm**

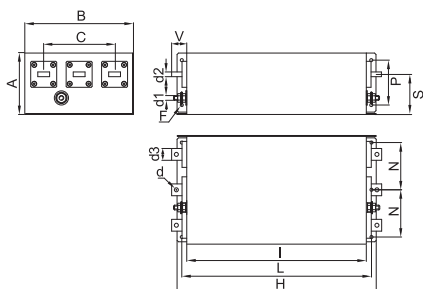
FIN538S1	A	B	C	d	d1	V	F	H	I	L	N	P	S	Peso Kg.	Custodia
.250.V	90	220	120	M12	M10	30	6.5	356	320	340	95	70	60	9	6
.280.V	90	220	120	M12	M10	30	6.5	356	320	340	95	70	60	9	6

**CUSTODIA 6**

**ASSEMBLAGGIO CONNESSIONE "V"**


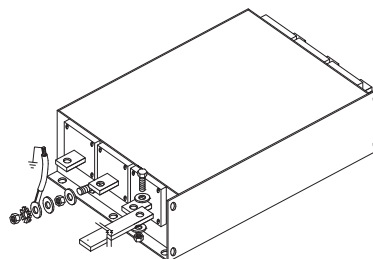
### DIMENSIONI MECCANICHE mm

FIN538S1	A	B	C	d	d1	d2	d3	V	F	H	I	L	N	P	S	Peso Kg.	Custodia
.280.BC	90	220	120	M8	M10	6	20	42	6.5	356	320	340	95	70	55	9	7
.320.BC	90	220	120	M8	M10	6	20	42	6.5	356	320	340	95	70	55	9	7
.360.BC	130	230	150	M8	M10	10	25	42	6.5	420	380	400	100	100	85	13.5	8
.400.BC	130	230	150	M8	M10	10	25	42	6.5	420	380	400	100	100	85	13.5	8
.500.BC	130	230	150	M8	M10	10	25	42	6.5	420	380	400	100	100	85	13.5	8
.600.BC	130	230	150	M12	M10	15	30	48	6.5	510	450	480	100	100	85	19	9
.750.BC	130	230	150	M12	M10	15	30	48	6.5	510	450	480	100	100	85	19	9
.900.BC	160	250	140	M12	M12	20	40	94	8.5	510	450	480	100	110	110	27	10
.1000.BC	160	250	140	M12	M12	20	40	94	8.5	510	450	480	100	110	110	27	10
.1250.BC	160	250	140	M12	M12	20	40	94	8.5	510	450	480	100	110	110	27	10
.1500.BC	180	300	200	M12	M12	20	60	97	8.5	560	500	530	125	130	117	30	11
.1600.BC	180	300	200	M12	M12	20	60	97	8.5	560	500	530	125	130	117	30	11
.1750.BC	180	300	200	M12	M12	20	60	97	8.5	560	500	530	125	130	117	30	11
.2000.BC	225	350	200	M12	M12	25	80	100	8.5	610	550	580	150	-	113	68	12
.2250.BC	225	350	200	M12	M12	25	80	100	8.5	610	550	580	150	-	113	68	12
.2500.BC	225	350	200	M12	M12	25	80	100	8.5	610	550	580	150	-	113	68	12
.3000.BC	225	350	200	M12	M12	25	80	100	8.5	610	550	580	150	-	113	68	12

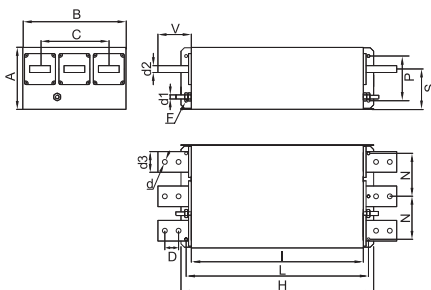
### CUSTODIA 7, 8, 9



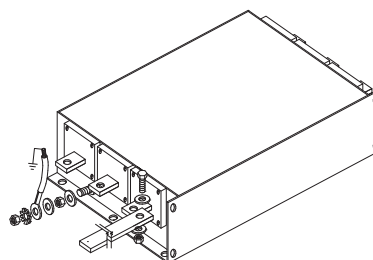
### ASSEMBLAGGIO CONNESSIONE "BC"



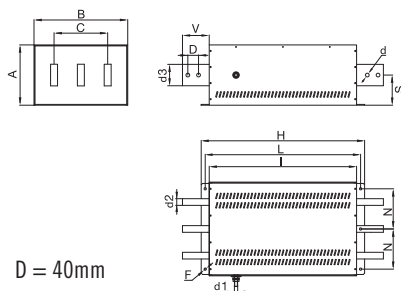
### CUSTODIA 10, 11



### ASSEMBLAGGIO CONNESSIONE "BC"



### CUSTODIA 12



### ASSEMBLAGGIO CONNESSIONE "BC"

