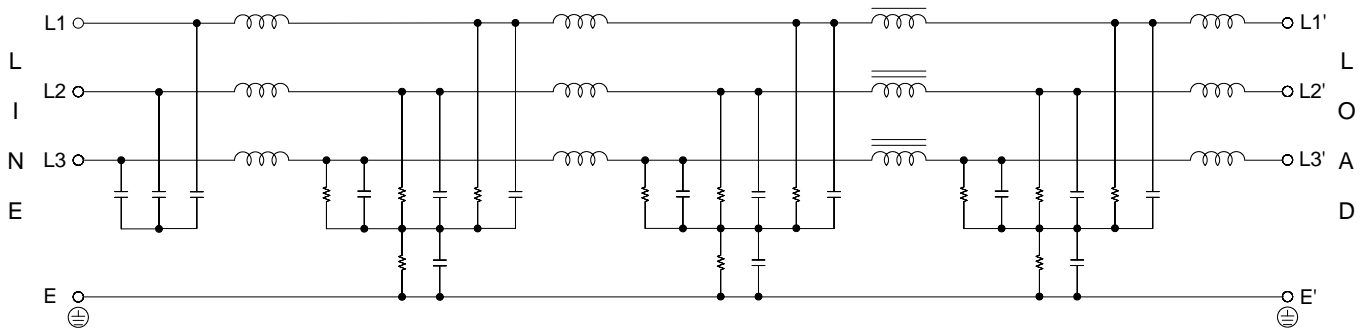


### Technical data and measuring conditions

- Rated current: 150~400A@50°C
- Max. continuous operating voltage: 3x600 / 347VAC
- Operating frequency: dc to 60Hz
- Operating temp. : -25°~ + 100° (25/100/21)
- Hi-pot. test voltage (for 2 sec.):  
P to E: 2750 VDC  
P to P: 2200 VDC
- Protection category: IP20
- Flammability corresponding to: UL 94V-2 or better
- MTBF@50°C/400V(Mill-HB-217F): 130,000 hours
- Design corresponding to: UL1283, UL60939, CSA 22.2 No.8-13, IEC/EN60939
- Overload capability: 4 x rated current at switch on; 1.5 x rated current for 1 min., once per hour



### Electrical schematic



### Features

- Excellent conducted attenuation performance
- Current rating 150~400A
- Widely used in regenerative motor drivers
- Extremely compact high-current filter
- Easy to install
- With protective plastic covers

### Marketing applications

- Regenerative motor drivers
- Power management system
- Motor drive & Control
- Automation & Process control

### Filter selection table

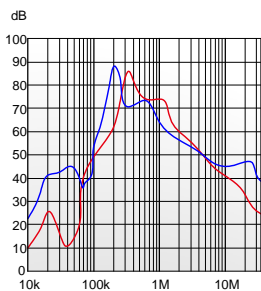
Filter PRJ No.	Rated Current @50°C [A]	Typical Drive* Power Rating [kW]	Leakage Current** @600VAC/50Hz [mA]	Power Loss @25°C/50Hz [W]
150SCC59S	150	75	5.1	24
180SCC59S	180	90	5.1	34
250SCC59S	250	130	5.1	49
320SCC59Q	320	160	5.1	19
400SCC59Q	400	220	5.1	29

\*Calculated at rated current, 600 VAC and cos phi = 0.8. The exact value depends upon the efficiency of the drive, the motor and the entire application.

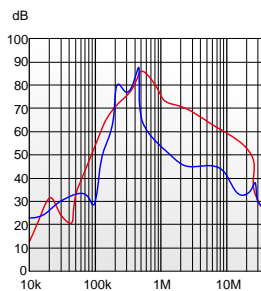
\*\*Standardized calculated leakage current acc. IEC60939 under normal operating conditions.

**Filter attenuation** Insertion loss (dB) in 50Ω system CISPR 17

Common mode / Asymmetrical (P-E)



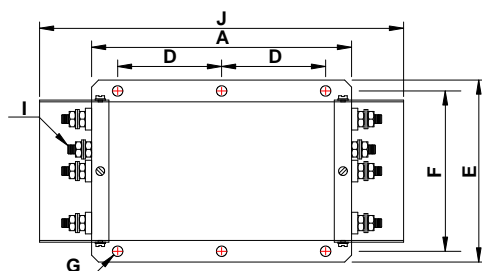
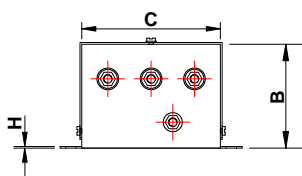
Differential mode / Symmetrical (P-P)



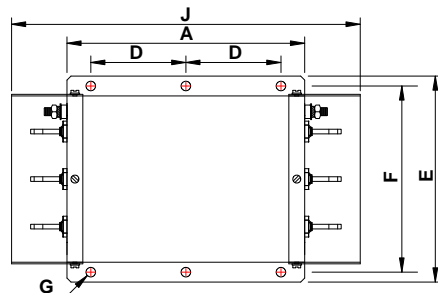
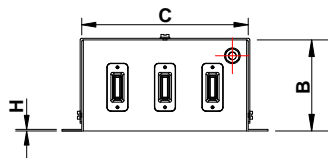
150A~180A ————  
250A~400A ————

**Mechanical drawing**

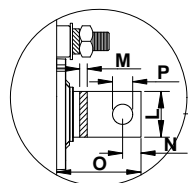
■ 150-250A



■ 320-400A



Magnifying view



**Dimensions (unit: mm)** Tolerances according to ISO 2768-m / EN 22768-m

Code	150~180A	250A	320~400A
A	300	300	300
B	120	125	115
C	160	180	210
D	120	120	120
E	210	230	260
F	185	205	235
G	Ø12	Ø12	Ø12
H	2	2	2
I	M10	M10	M10
J	420	420	440
L	-	-	25
M	-	-	6
N	-	-	15
O	-	-	40
P	-	-	Ø10.5