

## Multi Stage General Purpose EMI Filter

### Approvals:



- Rated current from 1 to 30 A
- Multi stage filter
- High differential mode performance
- Optional medical version (Type B)
- Optional safety version (Type A)

### Technical specifications

Maximum continuous operating voltage: 250VAC, 50/60Hz

Operating frequency: dc to 400Hz

Rated currents: 1 to 30A @ 40°C max.

High potential test voltage: L → PE 3000VDC for 2 sec (standard types)

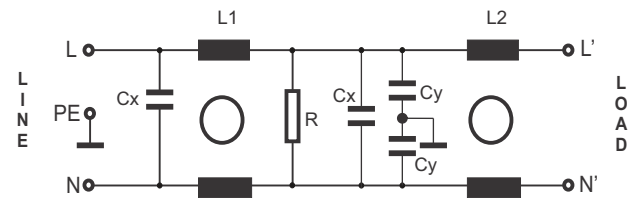
L → PE 3500VDC for 2 sec (B types)

L → N 1100VDC for 2 sec

Temperature range (operation and storage): -25°C to +100°C (25/100/21)

Design corresponding to: UL 1283.

### CIRCUIT DIAGRAM:



### Feature and Benefits




- BL2060 two-stage filters are designed for easy and fast chassis mounting.
- The BL2060 filters are also available as B versions with no Y-capacitors for medical applications as well as A versions with low capacitance for safety critical applications with a requirement for low leakage currents.
- All filters provide an general purpose conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior.
- The BL 2060 Filter can be use to cover broad range of uses and they can offer a good size/amperages ratio
- BL 2020 filters are also available as single stage filters (BL 2010 series).
- Various terminal options allow you to select the desired connection style

### Typical Application

- Electrical and electronic equipment
- Consumer goods
- Household equipment
- Medical equipment
- Electronic data processing equipment
- Office automation and datacom equipment
- Industrial application
- Machinery
- Various noisy application requires good attenuation performance filter

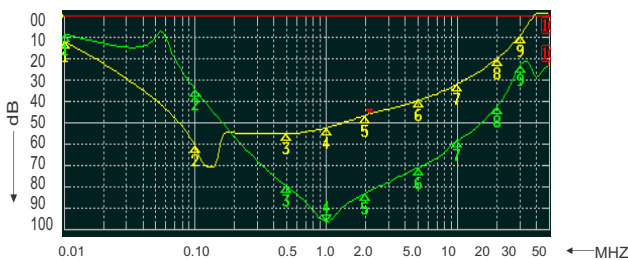
## 2 EMI FILTER>BL2060

### FILTER SELECTION TABLE

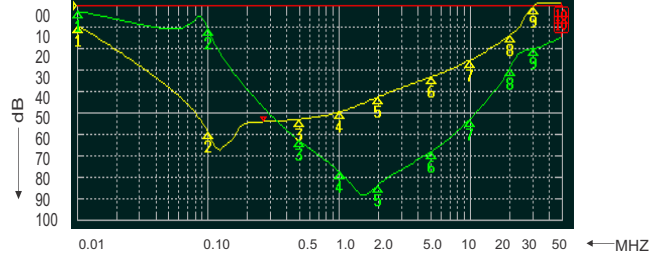
	Rated current @40°C	Leakage current @230V/50Hz	Inductance $\Sigma L$	Capacitance $\Sigma Cx$	Capacitance $\Sigma Cy$	Resistance $\Sigma R$	Connetion type		
	A	mA	mH	$\mu F$	nF	$K\Omega$			
BL2060-01-F	1	0.74	24	0.44	9.4	1000	F	W	
BL2060-03-F	3	0.74	5	0.44	9.4	1000	F	W	
BL2060-06-F	6	0.74	1.94	0.44	9.4	1000	F	W	
BL2060-10-F	10	0.74	1.6	0.94	9.4	470	F	W	
BL2060-12-F	12	0.74	1.16	0.94	9.4	470	F	W	
BL2060-16-F	16	0.74	1.3	0.66	9.4	1000	F	W	S
BL2060-20-F	20	0.74	1.2	2.0	9.4	220	F	W	S
BL2060-30-S	30	0.87	1.2	2.0	20	220			S
BL2060A-01-F	1	0.074	24	0.44	0.94	1000	F	W	
BL2060A-03-F	3	0.074	5	0.44	0.94	1000	F	W	
BL2060A-06-F	6	0.074	1.94	0.44	0.94	1000	F	W	
BL2060A-10-F	10	0.074	1.6	0.94	0.94	470	F	W	
BL2060A-12-F	12	0.074	1.16	0.94	0.94	470	F	W	
BL2060A-16-F	16	0.074	1.3	0.66	0.94	1000	F	W	S
BL2060A-20-F	20	0.074	1.2	2.0	0.94	220	F	W	S
BL2060A-30-S	30	0.074	1.2	2.0	0.94	220			S
BL2060B-01-F	1	0.002	24	0.44		1000	F	W	
BL2060B-03-F	3	0.002	5	0.44		1000	F	W	
BL2060B-06-F	6	0.002	1.94	0.44		1000	F	W	
BL2060B-10-F	10	0.002	1.6	0.94		470	F	W	
BL2060B-12-F	12	0.002	1.16	0.94		470	F	W	
BL2060B-16-F	16	0.002	1.3	0.66		1000	F	W	S
BL2060B-20-F	20	0.002	1.2	2.0		220	F	W	S
BL2060B-30-S	30	0.002	1.2	2.0		220			S

Insertion Loss: Common mode - —  
Differential mode- —

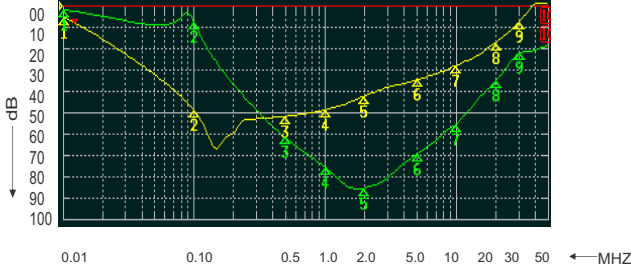
1 to 3 A



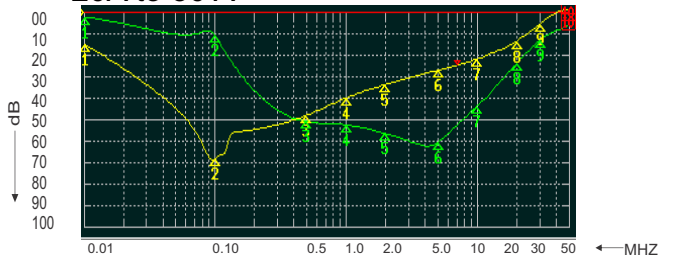
6A & 10A



12 to 16 A

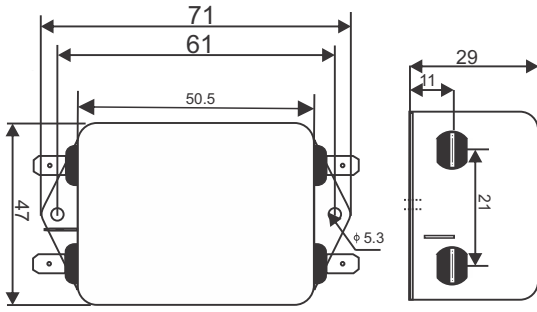


20A to 30 A

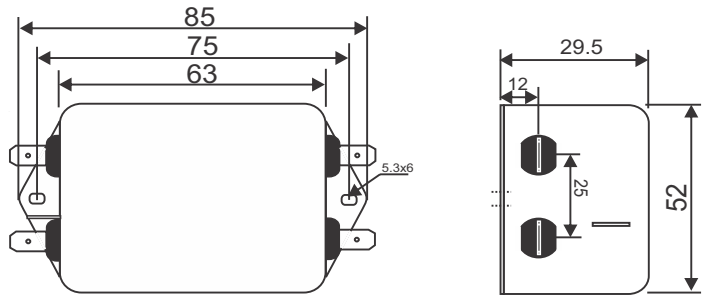


**MECHANICAL DIMENSION (mm):**

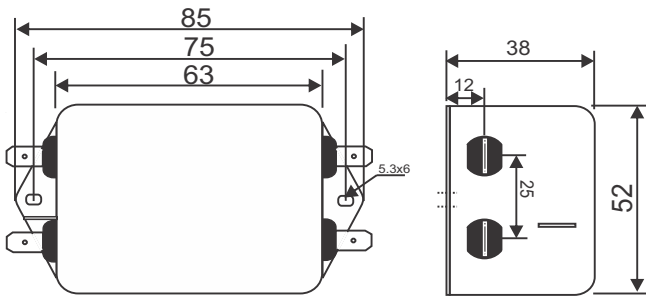
CONNECTION TYPE -F  
1A to 6A



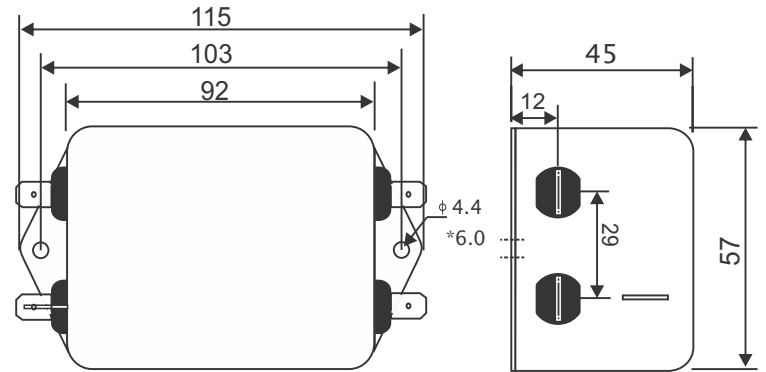
CONNECTION TYPE -F  
10A &12A



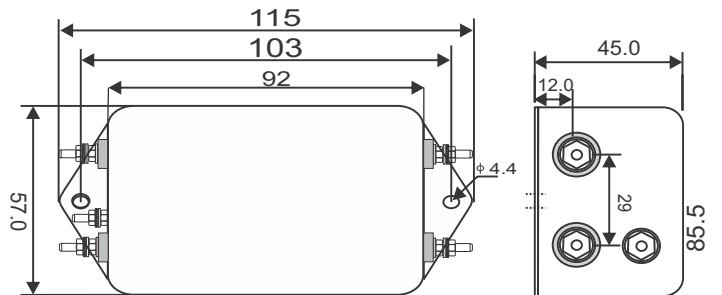
CONNECTION TYPE -F  
16A



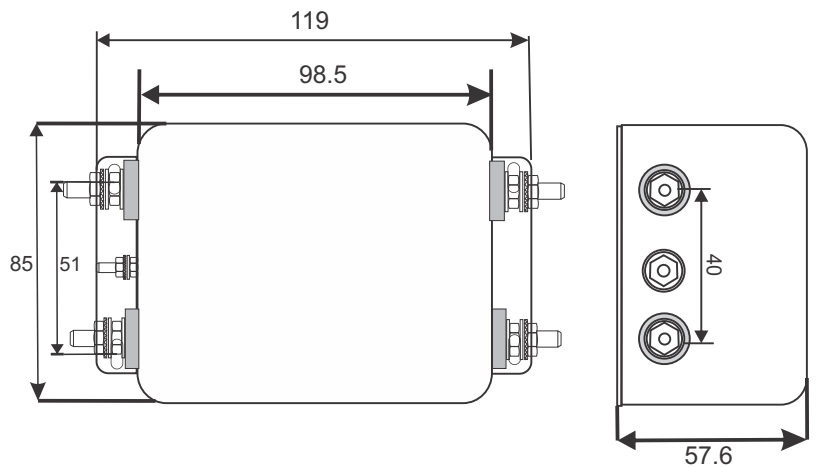
CONNECTION TYPE -F  
20A



CONNECTION TYPE -S  
20A



CONNECTION TYPE -S  
30A



**NOTE:**

All Dimension in mm  
Connection type F-Fast On Terminal(6.3x0.8)  
S-Screw (M4)