

DEM MANUFACTURING



FILTER INSTALLATION GUIDE

Thank you for purchasing the Roxburgh mains filter.

The following notes are for the guidance on the safe and reliable installation of your filter.

- 1 The filter is intended for connection directly to an ac mains network with a voltage within that specified on the filter rating label.
- 2 The continuous RMS current in the filter must not exceed that specified on the filter rating label.
- 3 The filter is intended for operation at the nominal mains frequencies 50Hz and 60Hz. Operation with dc current is also acceptable.
- 4 Unless otherwise stated or communicated on specific data sheets, the filter is for operation in the following environment:
 - a) Maximum ambient temperature: 40°C
 - b) Installation category: CATII

Note that some special filters are for operation in other environments. Please see specific data sheets.

- 5 The filter should be fixed securely by the mounting features provided. It is important for correct operation of the filter that the filter housing (the filter earth) is electrically bonded to the metal work of the electrical system. The bond should be made as directly as possible.
- 6 When wiring the filter observe the line and load designations.
- 7 The earth terminals marked clearly with a 'PE' or other recognised symbol are only intended for connection to the protective earth wires.
- 8 Observe the phase orientation marked on the filter (Neutral (N), Live (L, L1, L2, L3)).
- 9 Apart from the filters designed for cable mounting and filters with special provisions for wall mounting, the filters are in generally intended for mounting within an enclosure. Access to this enclosure should be restricted. Any terminal covers or protective boots provided must be fitted during installation.
- 10 The protection provided may be impaired if the filter is used in any unspecified manner.

P.T.O

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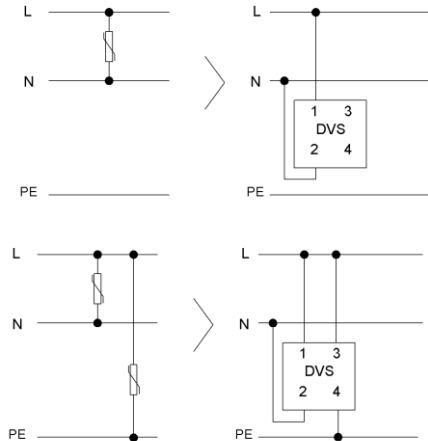


- 11 Use fast-acting current limiting fuses (e.g., type J,R,T) sized for application and maximum interrupting capacity.
- 12 Filter clearance $\geq 50\text{mm}$. Orientation horizontal or vertical book.

Recommended terminal torque.

Product	Terminal (Nm)	PE/Earth (Nm)	Product	Terminal (Nm)	PE/Earth (Nm)
DRF01/03/06/08/10	0.5	0.5	KMF3620A/V/VX	30	25
IHF18/25/36/50	4	4	KMF3820A/V	30	25
IHF418/25/36/50	4	4	MDF18/25/36/50	4	4
IHF470/100	6	4	MDF318/25/36/50	4	4
KMF306/A/V	0.8	2	MDF370/100	6	4
KMF310/A/V	0.8	2	MIF10/16	1.2	1.2
KMF318/A/V	2	2	MIF23	0.5	0.5
KMF325/A/V	2	2	MIF32	2	2
KMF336/A/V	2	4	MIF306/10/16/23	0.5	0.5
KMF350/Y	2	4	MIF330/B	2	2
KMF350A/V	5	6	MIF350	4.5	6
KMF370/A/V	5	6	MIF375/100	6	6
KMF3100/A/C/V	5	6	MIF3150/180	20	6
KMF3150/A/C/V	8	20	MIF3400/B/800	30	25
KMF3180/A/B/V	12	20			
KMF1320A	30	25			
KMF3320A/V	30	25			
KMF4320A	30	25			
KMF3420A/V/VX	30	25			

Connection examples for use with DVS24/48/110/240 ONLY



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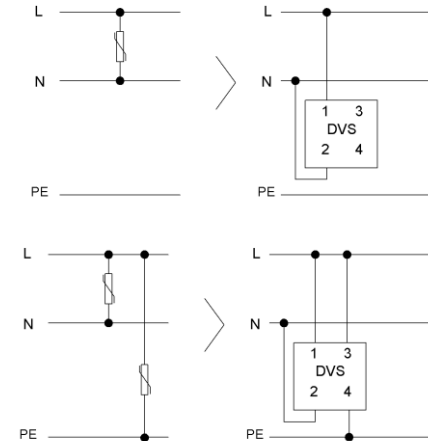
DOC15 Issue No: 16 Date: 21/01/15

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KMF318/A/V	2	2	MIF23	0.5	0.5
KMF325/A/V	2	2	MIF32	2	2
KMF336/A/V	2	4	MIF306/10/16/23	0.5	0.5
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KMF3100/A/C/V	5	6	MIF3150/180	20	6
KMF3150/A/C/V	8	20	MIF3400/B/800	30	25
KMF3180/A/B/V	12	20			
KMF1320A	30	25			
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