DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component – Appliance Filters, Series DC12, DC22, DD12, DD22, DA22, and DD14.

ELECTRICAL RATINGS:
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Model Type	Model Type	Voltage (V)	Current (A)	Freq. (Hz)	Phase	Cold to Maximum Ambient Temperature (°C)
DC12-1XXX-XXXX-X00	DC22-1XXXX-XXXX-X00	125/250	1	50/60	1	0 to 40
DC12-2XXX-XXXX-X00	DC22-2XXXX-XXXX-X00		2		1	0 to 40
DC12-4XXX-XXXX-X00	DC22-4XXXX-XXXX-X00		4		1	0 to 40
DC12-5XXX-XXXX-X00	DC22-5XXXX-XXXX-X00		6		1	0 to 40
DC12-7XXX-XXXX-X00	DC22-7XXXX-XXXX-X00		10		1	0 to 40

Model Type	Model Type	Voltage (V)	Current (A)	Freq. (Hz)	Phase	Cold to Maximum Ambient Temperature (°C)
DD12-1XXXX-XXXX-XX00	DD22-1XXXX-XXXX-XX00	125/250	1	50/60	1	0 to 40
DD12-2XXXX-XXXX-XX00	DD22-2XXXX-XXXX-XX00		2		1	0 to 40
DD12-4XXXX-XXXX-XX00	DD22-4XXXX-XXXX-XX00		4		1	0 to 40
DD12-5XXXX-XXXX-XX00	DD22-5XXXX-XXXX-XX00		6		1	0 to 40
DD12-6XXXX-XXXX-XX00 DD12-7XXXX-XXXX-XX00			8		1	0 to 40
----------	DD22-7XXXX-XXXX-XX00		10		1	0 to 40

Model Type	Voltage (V)	Current (A)	Frequency (Hz)	Phase	Cold to Maximum Ambient Temperature (°C)
DA22-X1XX-XXX-XX-00	125/250	1	50/60	1	0 to 40
DA22-X2XX-XXX-XX-00		2		1	0 to 40
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DA22-X4XX-XXX-XX-00		4		1	0 to 40
DA22-X5XX-XXX-XX-00		6		1	0 to 40
DA22-X6XX-XXX-XX-00		8		1	0 to 40
DA22-X7XX-XXX-XX-00		10		1	0 to 40

Model Type	Voltage (V)	Current (A)	Frequency (Hz)	Phase	Cold to Maximum Ambient Temperature (°C)
DD14-1XXXX-XXXXX-XX00	125/250	1	50/60	1	0 to 40
DD14-2XXXX-XXXXX-XX00		2		1	0 to 40
DD14-4XXXX-XXXXX-XX00		4		1	0 to 40
DD14-5XXXX-XXXXX-XX00		6		1	0 to 40
DD14-6XXXX-XXXXX-XX00 DD14-7XXXX-XXXXX-XX00		8		1	0 to 40

MODEL SERIES DIFFERENCES

Model Series DC22 is identical to Model DC12 except for PCB mounting with solder pins.

Model Series DD22 is identical to Model Series DD12, except for PCB mounting with solder pins.

Model Series DA22 is identical to Model Series DD22, except without rocker switch.

See Ill. 1 to Ill. 6, for Model Nomenclature and Ill. 11 for Model Differences.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

USR indicates the filters have been evaluated to the Standard for Electromagnetic Interference Filters, UL 1283, Sixth Edition.

CNR indicates investigation to the requirements of the Canadian Standard for Electromagnetic Interference (EMI) Filters, CSA C22.2 No. 8-13, Fifth Edition.

CONDITIONS OF ACCEPTABILITY:

* Use – For use only in equipment the acceptability of the combination has been determined by UL LLC. The following items should be considered in the end use product.

1. The filters should be provided with an overall enclosure suitable for the applicable end-product requirements.

2. The filter shall be installed in compliance with the mounting, terminal, spacing and segregation requirements of the end use application.

3. The terminals have not been evaluated for field wiring. The acceptability of the grounding terminal should be determined in the end use application.

4. Appliance filters inherently have high leakage currents. Leakage current measurements in the end use application should be considered for compliance with the end use application requirements.

5. The suitability of the grounding means in conjunction with the filter shall be evaluated in the end-use application.

6. The components were submitted and tested with a maximum manufacturer’s recommended ambient as indicated by the Maximum Ambient Temperature Rating of the devices documented in the Electrical Ratings Table. The need for additional testing if these devices are used above this rating shall be considered in the end-use application.

7. The term “medical” does not signify that the product has been tested to medical requirements. All medical applications should be considered in end-product evaluation.

8. Overcurrent protection may be provided in the grounded conductor. The suitability of this design shall be evaluated in the end-product application.

9. These devices incorporate a Recognized switch. The adequacy of the rating must be based on the loading characteristics of the end product.

10. The marking "Disconnect power before replacing fuses" or equivalent wording must be supplied adjacent to the device in the end-use equipment.

11. The end-product shall be marked in a location so that it is obvious with “WARNING” and the following or equivalent “For continued protection against the risk of fire, replace only with the same type and rating of fuse.

12. Temperature rises of greater than 30°C and maximum temperatures of greater than 60°C were observed on the male attachment blades of the models outlined in the table below. The suitability of the temperatures on the blades shall be determined in the end-product investigation with respect to the female detachable cord set.

Model Tested	Representing Models	Test Parameters		
		Voltage	Current	Ambient Temperature
DD22-61110-2111-1100	Series DD12 and DD22, rated 8 A	250 V ac	8 A	40 °C
DD22-72110-2111-1100	Series DD22, rated 10 A	250 V ac	10 A	40 °C
DA22-2612-111-11-00	Series DA22, rated 8 A	250 V ac	8 A	40 °C
DA22-1712-111-11-00	Series DA22, rated 10 A	250 V ac	10 A	40 °C

13. The Abnormal Operation/Limited Short Circuit Test (UL 1283, Cl. 32; CSA C22.2 No. 8, Cl. 6.14) was performed on the following models using a short circuit current and fuse rating as indicated below.

Model	Represented Models	Test Current, A	Fuse rating, A
DD22-61110-2111-1100	1 amp models	200	15
DD22-21110-2111-1100	2 amp models	200	15
DD22-31110-2111-1100	3 amp models	200	15
DD22-41110-2111-1100	4 amp models	200	15
DD22-51110-2111-1100	6 amp models	1000	15
DD22-61110-2111-1100	8 amp models	2000	15
DD22-71110-2111-1100	10 amp models	2000	15
DD22-71210-2111-1100		2000	15