

D E S C R I P T I O N

PRODUCT COVERED:

(USR, CNR) Component - General purpose transformers, Cat. Nos. F3 through F8 and FD4 through FD8. Individual catalog numbers covered as tabulated under "Ratings".

GENERAL CHARACTER AND USE:

These devices are general purpose transformers of the open core, open coil construction with air-cooled insulated windings.

RATINGS:

Cat. No.				
Single Primary (115 V, 50/60 Hz)	Dual Primary (115/230 V, 50/60 Hz)	Secondary		Current, A
		VA	V	
F3-10	-	2.4	10 V CT	0.25
F4-10	FD4-10	6	10 V CT	0.6
F5-10	FD5-10	12	10 V CT	1.2
F6-10	FD6-10	30	10 V CT	3.0
F7-10	FD7-10	56	10 V CT	5.0
F8-10	FD8-10	100	10 V CT	10.0
F3-12	-	2.4	12.6 V CT	0.2
F4-12	FD4-12	6	12.6 V CT	0.5
F5-12	FD5-12	12	12.6 V CT	1.0
F6-12	FD6-12	30	12.6 V CT	2.5
F7-12	FD7-12	56	12.6 V CT	4.0
F8-12	FD8-12	100	12.6 V CT	8.0
F3-16	-	2.4	16 V CT	0.15
F4-16	FD4-16	6	16 V CT	0.4
F5-16	FD5-16	12	16 V CT	0.8
F6-16	FD6-16	30	16 V CT	2.0
F7-16	FD7-16	56	16 V CT	3.5
F8-16	FD8-16	100	16 V CT	6.25
F3-20	-	2.4	20 V CT	0.12
F4-20	FD4-20	6	20 V CT	0.30
F5-20	FD5-20	12	20 V CT	0.6
F6-20	FD6-20	30	20 V CT	1.5
F7-20	FD7-20	56	20 V CT	2.8
F8-20	FD8-20	100	20 V CT	5.0

(Table Cont'd.)

Cat. No.					
Single Primary (115 V, 50/60 Hz)	Dual Primary (115/230 V, 50/60 Hz)	Secondary			
		VA	V		Current, A
F3-24	-	2.4	24 V CT		0.1
F4-24	FD4-24	6	24 V CT		0.25
F5-24	FD5-24	12	24 V CT		0.5
F6-24	FD6-24	30	24 V CT		1.25
F7-24	FD7-24	56	24 V CT		2.4
F8-24	FD8-24	100	24 V CT		4.0
F3-28	-	2.4	28 V CT		0.085
F4-28	FD4-28	6	28 V CT		0.2
F5-28	FD5-28	12	28 V CT		0.42
F6-28	FD6-28	30	28 V CT		1.1
F7-28	FD7-28	56	28 V CT		2.0
F8-28	FD8-28	100	28 V CT		3.6
F3-36	-	2.4	36 V CT		0.065
F4-36	FD4-36	6	36 V CT		0.17
F5-36	FD5-36	12	36 V CT		0.35
F6-36	FD6-36	30	36 V CT		0.85
F7-36	FD7-36	56	36 V CT		1.5
F8-36	FD8-36	100	36 V CT		2.8
F3-48	-	2.4	48 V CT		0.05
F4-48	FD4-48	6	48 V CT		0.125
F5-48	FD5-48	12	48 V CT		0.25
F6-48	FD6-48	30	48 V CT		0.63
F7-48	FD7-48	56	48 V CT		1.2
F8-48	FD8-48	100	48 V CT		2.0
F3-56	-	2.4	56 V CT		0.045
F4-56	FD4-56	6	56 V CT		0.11
F5-56	FD5-56	12	56 V CT		0.22
F6-56	FD6-56	30	56 V CT		0.54
F7-56	FD7-56	56	56 V CT		1.0
F8-56	FD8-56	100	56 V CT		1.8
F3-120	-	2.4	120 V CT		0.02
F4-120	FD4-120	6	120 V CT		0.05
F5-120	FD5-120	12	120 V CT		0.1
F6-120	FD6-120	30	120 V CT		0.25
F7-120	FD7-120	56	120 V CT		0.5
F8-120	FD8-120	100	120 V CT		0.85

INSULATION SYSTEM:

These transformers are provided with Recognized Component electrical insulation system (OBJY2), Class 130(B).

ENGINEERING CONSIDERATIONS (NOT FOR INSPECTOR USE):

Use - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

CNR Indicates investigation to Canadian Standard C22.2, No. 66-1988 "Specialty Transformers."

Conditions of Acceptability -

1. These devices shall be used within their Recognized ratings as indicated above.
2. Each transformer shall be mounted within equipment which will provide a metal or noncombustible material enclosure for the transformer.
3. Each transformer shall be mounted on a metal or noncombustible material surface or 1/4 in. through air spacing shall be provided between the transformer and the mounting surface.
4. The quick connect terminals are not acceptable as field wiring terminals. The suitability of the terminals shall be investigated and described for the final application.

SPACINGS:

Spacings between uninsulated live-metal parts of opposite polarity and between live-metal parts and dead-metal parts shall be not less than shown in the following table, except these spacing requirements do not apply to conductors comprising turns of the same winding.

<u>Potential Difference, V</u>	<u>Spacings</u>			
	<u>Through Air</u>		<u>Over Surface</u>	
	<u>In.</u>	<u>mm</u>	<u>In.</u>	<u>mm</u>
0-50	1/16	1.6	1/16	1.6
51-125	1/8	3.2	1/4	6.4
126-250	1/4	6.4	3/8	9.5