

DESCRIPTIONPRODUCT COVERED:

* Component - Appliance Filters, FN280 Series AND FS4951-4-06. Refer to page 4 for type designations.

ENGINEERING CONSIDERATIONS:

The components covered by this report are filter assemblies intended to be used in electronic data processing equipment and similar equipment where the acceptability of the combination has been determined by Underwriters Laboratories Inc. These filters have been investigated under the applicable requirements of UL 1283.

ELECTRICAL RATINGS:

* Refer to Table on page 4 for electrical ratings.

MANUFACTURER:

Refer to Section General.

CONDITIONS OF ACCEPTABILITY:

For use only in complete equipment where the acceptability of the combination has been determined by Underwriters Laboratories Inc. The following items should be evaluated to determine the acceptability for use in the end product.

1. Leakage current should be measured to determine compliance with the end product requirements.
2. Spacings between terminals and dead metal parts should comply with the end product requirements.

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

4. These components have been judged on the basis of the required spacings in the Standard for Electromagnet Interference Filters, Paragraph 20.2.

5. Case temperatures should be monitored in the end product.

6. The terminals have not been evaluated as field wiring terminals. Acceptability of the grounding terminals should be determined in the end product.

7. The filters have been evaluated for use in systems where the phase-to-neutral voltage does not exceed 250 V.

8. The fuse selection means has not been investigated by this report.

9. The models described in this report allow the fusing of two lines. Acceptability of this arrangement must be evaluated in the end product, including any required markings, etc.

Type designation key for FN 280 Series

Type designation: FN 280 E-2-06-Q-E-1

Stecker SK (Befestigung und Sicherung)

- 1 = SK021 (narrow-side fixing, 1 fuse)
- 2 = SK022 (narrow-side fixing, 2 fuse)
- 3 = SK023 (long-side fixing, 1 fuse)
- 4 = SK024 (long-side fixing, 2 fuse)
- 5 = SK025 (snapp in fixing, 1 fuse)
- 6 = SK026 (snapp in fixing, 2 fuse)

Supplementary components

- A = Y Capacitors have 470 pF
- B = For medical applications (without Y Capacitors)
- E = Earth choke
- Z = Varistor (wired across the line)
- R = Discharge resistor and $C_x < 0, 1 \mu\text{F}$
= or their combinations e.g. ERZ

Current rating

*1; 2; 4; 6; 10 A

Terminals

- 05 = AMP-Faston (6, 3x0,8)
- 06 = Soldering lug / Faston combination (6,3x0,8)

 X_2 - Capacitors rated value

G=0,01 μF ; H=0,015 μF ; I=0,022 μF ; K=0,033 μF ; L=0,047 μF
M=0,068 μF ; N=0,1 μF ; P=0,15 μF ; Q=0,22 μF (standard value)

Y - Capacitors rated value

B=1nF; C=1, 5nF; D=2, 2nF (standard value); E=3,3nF; F=4,7nF

Safety unimportant variations (e.g. colour point)

1; 2; 3... etz. current numbers

Required only for the following options: A, B, E, Z, R as above,
CX < > 0, 22 μF , Cy < > 2,2nF, and for safety unimportant variations.

K.S-A.
H.S.