

### Power entry module Type KFA

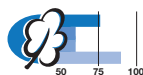
- Panel mount: screw-on version, front-side
- 4 functions: appliance inlet, fuseholder for fuses 5 x 20 mm, with or without voltage selector (step switch) and line filter



with voltage selector



without voltage selector



Plug removal necessary  
for fuse replacement



### Characteristics

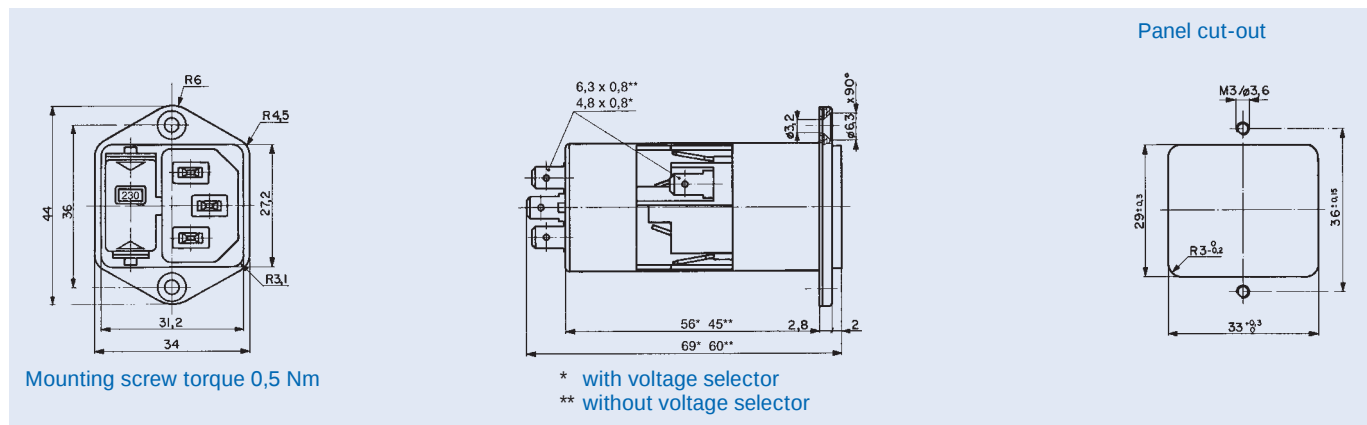
- Plug removal necessary for fuse-link replacement
- The fuse drawer "Fingergrip" can be removed by hand
- For added safety "Extra-Safe" fuse drawers are available. Extra-safe fuse drawers satisfy international standards for medical equipment. The drawer can only be removed with the aid of a tool.
- The fuseholder is accessible from the equipment front
- Qualified for use in equipment according to IEC/EN 60950

### Technical data

|                                                   |                                                               |
|---------------------------------------------------|---------------------------------------------------------------|
| Rated voltage                                     | 125/250 VAC; 50/60 Hz                                         |
| Rated currents                                    | 1–10 A; @T <sub>a</sub> 40 °C                                 |
| Leakage current, Standard                         | < 0,5 mA (250 V/60 Hz)                                        |
| Medical                                           | < 5 µA (250 V/60 Hz)                                          |
| Test voltage (2 sec)                              | 1,7 kVDC between L-N<br>2,7 kVDC between L/N-PE               |
| Allowable ambient air temperatures T <sub>a</sub> | –25 °C to +85 °C                                              |
| Climatic category                                 | 25/085/21 acc. to IEC/EN 60068-1                              |
| Degree of protection (front-side)                 | IP40 acc. to IEC 60529                                        |
| Protection class                                  | suitable for equipment with prot. cl. I,<br>acc. to IEC 61140 |
| Terminals                                         |                                                               |
| KFA with voltage selector                         | Quick-connect 4,8 x 0,8 mm                                    |
| KFA without voltage selector                      | Quick-connect 6,3 x 0,8 mm                                    |
| Panel thickness s                                 | max. 8 mm                                                     |
| Materials: Housing                                | Thermoplastic, black, UL94 V-0                                |

|                                                                     |                                                                                     |                                                                                              |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Appliance-inlet                                                     |  | acc. to IEC/EN 60320-1/C14,<br>Protection class I,<br>pin-temperature 70 °C (cold condition) |
| Fuseholder                                                          |                                                                                     | 1- or 2-pole, shocksafe category PC2<br>acc. to IEC/EN 60127-6.<br>for fuse-links 5 x 20 mm  |
| Rated power acceptance at<br>ambient air temp. T <sub>a</sub> 23 °C |                                                                                     | 2 W (1-pole), 1,6 W (2-pole) per pole                                                        |
| Admissible power acceptance<br>at higher T <sub>a</sub>             |                                                                                     | see derating curves. Take note of the<br>information page 197                                |
| Voltage selector                                                    |                                                                                     | optional,<br>step switch, 3 positions                                                        |
| Line filter, standard and medical                                   |                                                                                     | acc.to IEC 60939, EN 133 200,<br>UL 1283, CSA C22.2 no. 8<br>Technical details see page 202  |

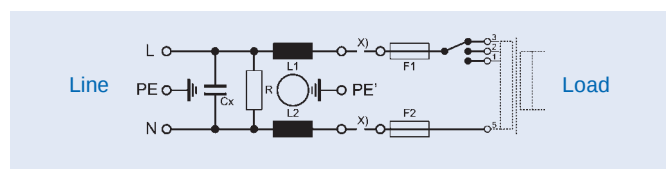
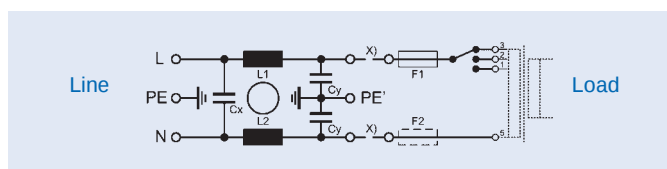
## Dimensions



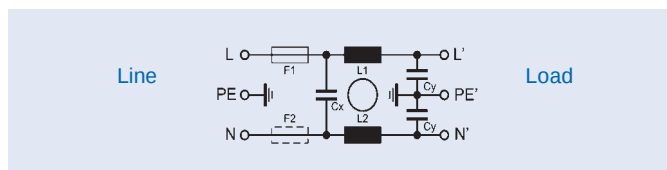
## Diagrams

Standard version  
with fuseholder 1- or 2-pole

Medical version  
with fuseholder 2-pole



without voltage selector

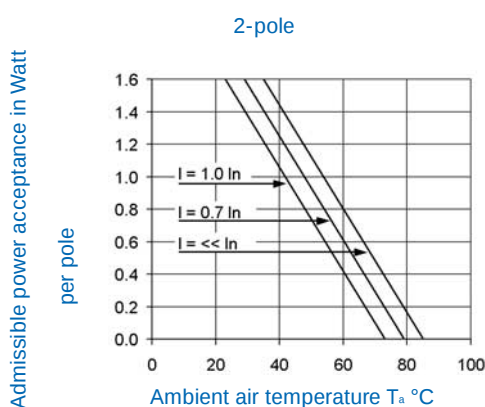
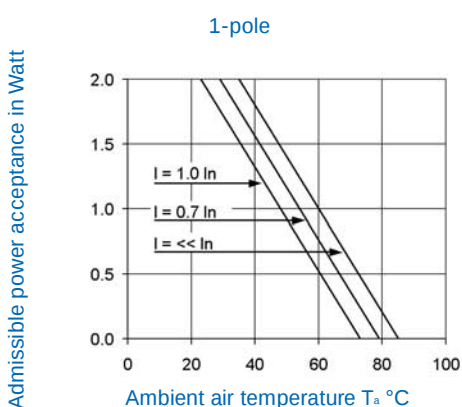


x) external connection to be made by the customer

## Technical data of filter-components

| Rated current<br>(A) | Filter-Type | Inductance<br>L1/L2 (mH) | Capacitance |         | R<br>(MΩ) |
|----------------------|-------------|--------------------------|-------------|---------|-----------|
|                      | Filter-Type |                          | CX (nF)     | CY (nF) |           |
| 1                    | Standard    | 2 x 10                   | 68          | 2 x 2,2 | -         |
| 2                    |             | 2 x 4                    |             |         |           |
| 4                    |             | 2 x 1,5                  |             |         |           |
| 6                    |             | 2 x 0,8                  |             |         |           |
| 10                   |             | 2 x 0,3                  |             |         |           |
| 1                    | Medical     | 2 x 10                   | 68          | -       | 1         |
| 2                    |             | 2 x 4                    |             |         |           |
| 4                    |             | 2 x 1,5                  |             |         |           |
| 6                    |             | 2 x 0,8                  |             |         |           |
| 10                   |             | 2 x 0,3                  |             |         |           |

## Derating curves for fuseholder

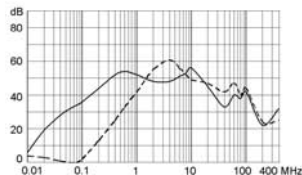


## Attenuation loss

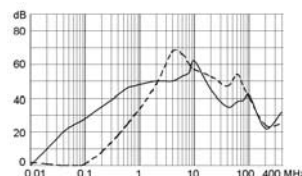
Standard version

differential mode .....  
common mode .....

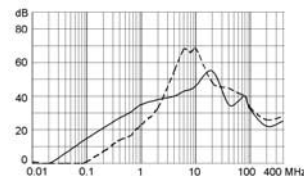
1 A



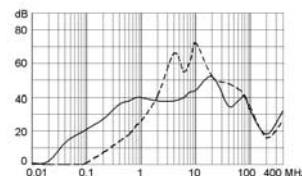
2 A



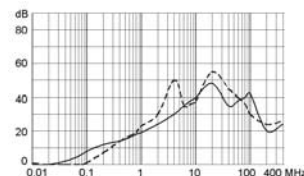
6 A



4 A

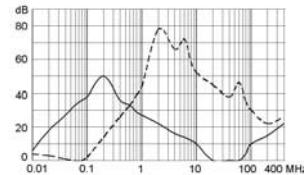


10 A

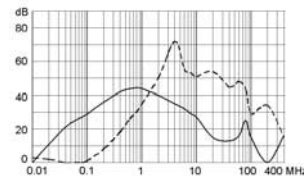


Medical version

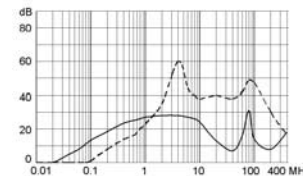
1 A



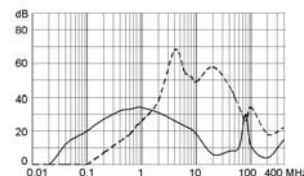
2 A



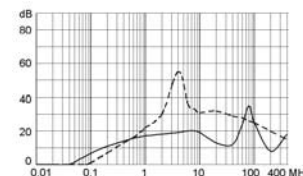
6 A



4 A



10 A



## Order Numbers for socket

Fuse drawer must be ordered separately.

Order nos see page 31

| Type | Order no  | Rated current | Filter-Type | Fuseholder | Voltage selector |                  |
|------|-----------|---------------|-------------|------------|------------------|------------------|
|      |           |               |             |            | without          | with max. 3 pos. |
| KFA  | 4301.5011 | 1 A           | Standard    | 1-pole     | •                |                  |
|      | 4301.5012 | 2 A           |             |            |                  |                  |
|      | 4301.5013 | 4 A           |             |            |                  |                  |
|      | 4301.5014 | 6 A           |             |            |                  |                  |
|      | 4301.5015 | 10 A          |             |            |                  |                  |
|      | 4301.5001 | 1 A           | Standard    | 2-pole     | •                |                  |
|      | 4301.5002 | 2 A           |             |            |                  |                  |
|      | 4301.5003 | 4 A           |             |            |                  |                  |
|      | 4301.5004 | 6 A           |             |            |                  |                  |
|      | 4301.5005 | 10 A          |             |            |                  |                  |
|      | 4301.5051 | 1 A           | Standard    | 1-pole     |                  | •                |
|      | 4301.5052 | 2 A           |             |            |                  |                  |
|      | 4301.5053 | 4 A           |             |            |                  |                  |
|      | 4301.5054 | 6 A           |             |            |                  |                  |
|      | 4301.5055 | 10 A          |             |            |                  |                  |
|      | 4301.5041 | 1 A           | Standard    | 2-pole     |                  | •                |
|      | 4301.5042 | 2 A           |             |            |                  |                  |
|      | 4301.5043 | 4 A           |             |            |                  |                  |
|      | 4301.5044 | 6 A           |             |            |                  |                  |
|      | 4301.5045 | 10 A          |             |            |                  |                  |
|      | 4301.5241 | 1 A           | Medical     | 2-pole     |                  | •                |
|      | 4301.5243 | 2 A           |             |            |                  |                  |
|      | 4301.5245 | 4 A           |             |            |                  |                  |
|      | 4301.5247 | 6 A           |             |            |                  |                  |
|      | 4301.5249 | 10 A          |             |            |                  |                  |

Accessories see page 171