

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole, optional Voltage Selector (step switch)

Plug removal necessary for fuse replacement



Snap-in mounting from front side without voltage selector Fuse drawer must be ordered separately (see accessories).



Screw-on mounting from rear side without voltage selector Fuse drawer must be ordered separately (see accessories).



Screw-on mounting from front side with voltage selector



## Description

- Panel Mount:  
Screw-on version from front or rear side, snap-in version from front side
- 4 Functions:  
Appliance Inlet Protection class I, Fuseholder for fuse-links 5 x 20 mm 1- or 2-pole, with or without voltage selector (step switch), Line filter in standard and medical version
- Quick connect terminals or wires
- Alternative: version without line filter [KEA](#)

## Approvals

- VDE License Number: 40004665 (FKE, FKF, FKV, FKW)
- UL License Number: E72928 (FKE, FKF, FKV, FKW)

## Characteristics

- Rear side mounting for efficient costsaving assembly
- Suitable for assembly in metal plated plastic housings
- All single elements are already wired
- Plug removal necessary for fuse-link replacement
- The fuse drawer "Fingergrasp" can be removed by hand
- For added safety "Extra-Safe" fuse drawers are available
- Fuse drawer meets requirements of medical standard IEC/EN 60601-1
- The fuseholder is accessible from the equipment front
- Qualified for use in equipment according IEC/EN 60950

## Other versions on request

- Capacity CX 100 nF

## References

[General Product Information](#)

## Weblinks

[Approvals](#), [RoHS](#), [CHINA-RoHS](#), [Mating Connectors](#), [e-Store](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#)

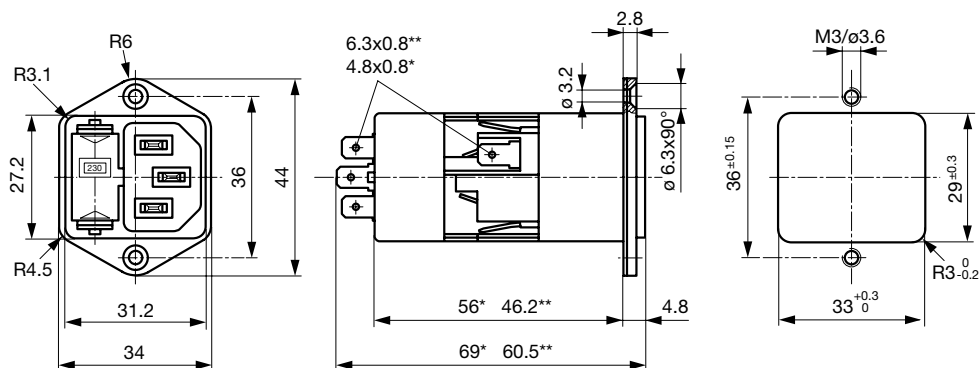
## Technical Data

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Ratings IEC               | 1 - 10A @ Ta 40 °C / 250 VAC; 50 Hz                                            |
| Ratings UL/CSA            | 1 - 10A @ Ta 40 °C / 125 VAC; 60 Hz                                            |
| Leakage Current           | standard < 0.5 mA (250 V / 60 Hz)<br>medical < 5 µA (250 V / 60 Hz)            |
| Dielectric Strength       | > 1.7 kVDC between L-N<br>> 2.7 kVDC between L/N-PE<br>Test voltage (2 sec)    |
| Allowable Operation Temp. | -25 °C to 85 °C                                                                |
| Climatic Category         | 25/085/21 acc. to IEC 60068-1                                                  |
| Degree of Protection      | from front side IP 40 acc. to IEC 60529                                        |
| Protection Class          | Suitable for appliances with protection class 1 acc. to IEC 61140              |
| Terminal                  | Quick connect terminals or wires                                               |
| Panel Thickness s         | Screw: max 8 mm<br>Mounting screw torque max 0.5 Nm<br>Snap-in: 0.8 mm to 3 mm |
| Material: Housing         | Thermoplastic, black, UL 94V-0                                                 |

|                                   |                                                                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Appliance-Inlet/-Outlet           | C14 acc. to IEC/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class 1               |
| Fuseholder                        | 1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm                                                       |
| Rated Power Acceptance @ Ta 23 °C | 5 x 20: 2 W (1 pole)/ 1.6 W (2-pole) per pole                                                                                           |
| Power Acceptance @ Ta > 23 °C     | Admissible power acceptance at higher ambient temperature see derating curves                                                           |
| Voltage Selectors                 | optional, step, 3 pos.                                                                                                                  |
| Line Filter                       | Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8<br><a href="#">Technical details</a> |
| MTBF                              | > 1'700'000 h acc. to MIL-HB-217 F                                                                                                      |

**Dimensions**

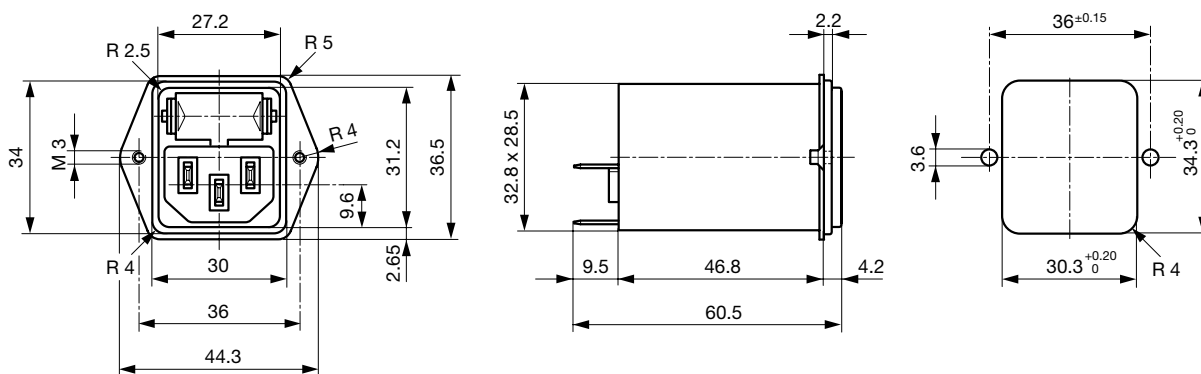
Screw-on mounting from front side



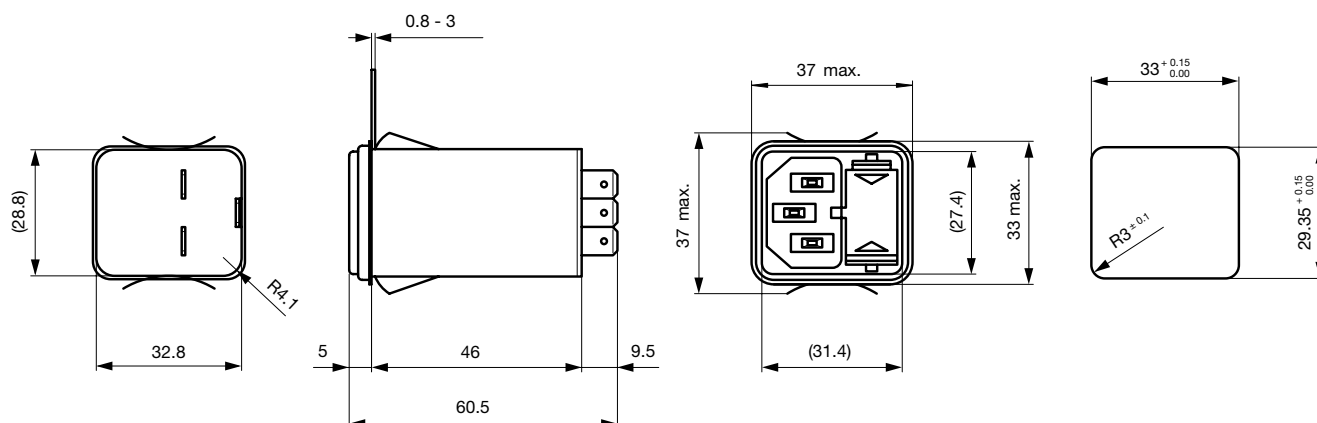
\* with voltage selector

\*\* without voltage selector

Screw-on mounting from rear side



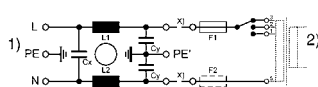
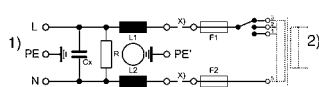
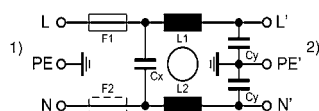
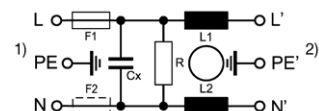
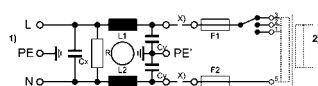
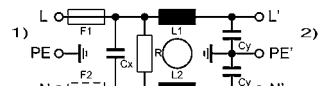
Snap-in mounting



## Technical Data of Filter-Components

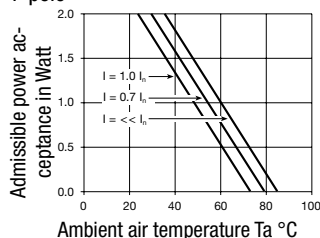
| Rated Current<br>[A] | Filter-Type           | Inductances<br>L [mH] | Capacitance<br>CX [nF] | Capacitance<br>CY [nF] | R [MΩ] |
|----------------------|-----------------------|-----------------------|------------------------|------------------------|--------|
| 1                    | Standard Version      | 2 x 10                | 68                     | 2.2                    | -      |
| 2                    | Standard Version      | 2 x 4                 | 68                     | 2.2                    | -      |
| 4                    | Standard Version      | 2 x 1.5               | 68                     | 2.2                    | -      |
| 6                    | Standard Version      | 2 x 0.8               | 68                     | 2.2                    | -      |
| 10                   | Standard Version      | 2 x 0.3               | 68                     | 2.2                    | -      |
| 1                    | Medical Version (M5)  | 2 x 10                | 68                     | -                      | 1      |
| 2                    | Medical Version (M5)  | 2 x 4                 | 68                     | -                      | 1      |
| 4                    | Medical Version (M5)  | 2 x 1.5               | 68                     | -                      | 1      |
| 6                    | Medical Version (M5)  | 2 x 0.8               | 68                     | -                      | 1      |
| 10                   | Medical Version (M5)  | 2 x 0.3               | 68                     | -                      | 1      |
| 1                    | Medical Version (M80) | 2 x 10                | 68                     | 0.47                   | 1      |
| 2                    | Medical Version (M80) | 2 x 4                 | 68                     | 0.47                   | 1      |
| 4                    | Medical Version (M80) | 2 x 1.5               | 68                     | 0.47                   | 1      |
| 6                    | Medical Version (M80) | 2 x 0.8               | 68                     | 0.47                   | 1      |
| 10                   | Medical Version (M80) | 2 x 0.3               | 68                     | 0.47                   | 1      |

## Diagrams

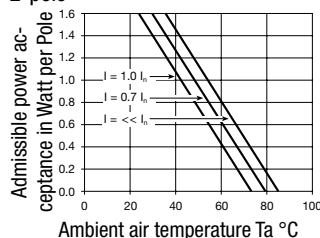
Standard version  
with fuseholder 1- or 2-pole1) Line; 2) Load; x) external connection  
to be made by the customerMedical version (M5)  
with fuseholder 2-pole1) Line; 2) Load; x) external connection  
to be made by the customerStandard version  
without voltage selector1) Line  
2) LoadMedical version (M5)  
without voltage selector1) Line  
2) LoadMedical version (M80)  
with voltage selector1) Line; 2) Load; x) external connection  
to be made by customerMedical version (M80)  
without voltage selector1) Line  
2) Load

## Derating Curves

1-pole



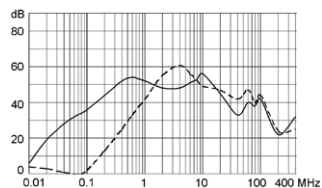
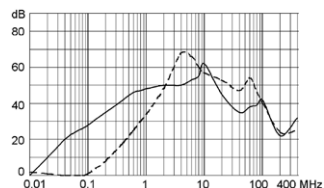
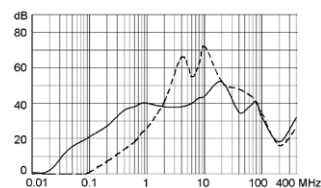
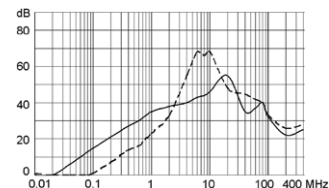
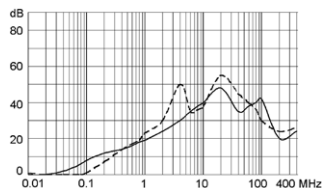
2-pole



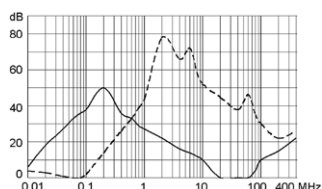
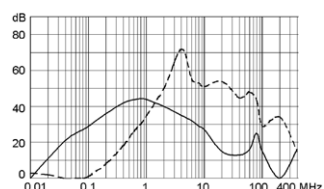
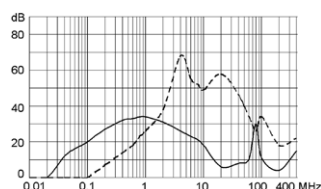
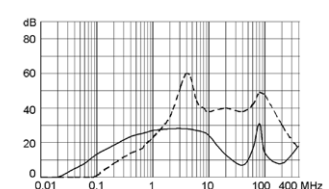
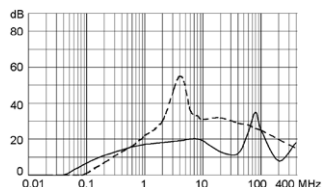
**Attenuation Loss**

Standard version

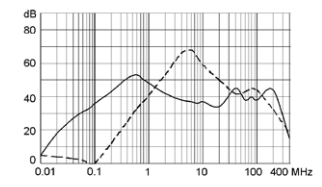
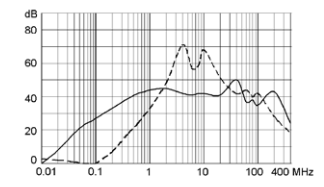
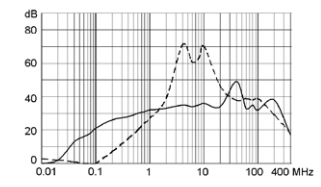
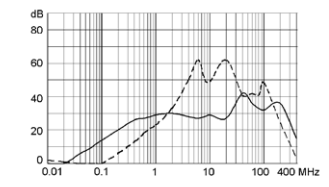
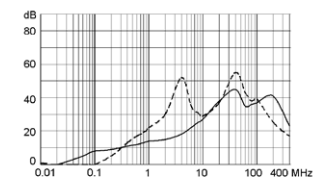
--- differential mode \_\_\_\_ common mode

**1 A****2 A****4 A****6 A****10 A**

Medical version (M5)

**1 A****2 A****4 A****6 A****10 A**

Medical version (M80)

**1 A****2 A****4 A****6 A****10 A**

## Variants

Distributor-Stock-Check | SCHURTER-Stock-Check | e-Store

Fuse drawer must be ordered separately (see accessories).

| Rated Current [A] | Filter-Type          | Panel mounting | Mounting side | Fuseholder | Terminal                | Voltage Selectors | Order Number |
|-------------------|----------------------|----------------|---------------|------------|-------------------------|-------------------|--------------|
| 1                 | Standard Version     | Screw          | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.5011    |
| 1                 | Standard Version     | Screw          | Front-Side    | 1-pole     | Quick connect terminals | 3 pos.            | 4301.5051    |
| 1                 | Standard Version     | Screw          | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.5001    |
| 1                 | Standard Version     | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5041    |
| 1                 | Standard Version     | Screw          | Rear-Side     | 1-pole     | Flexible wire18 AWG     | -                 | 4301.7311    |
| 1                 | Standard Version     | Screw          | Rear-Side     | 1-pole     | Quick connect terminals | -                 | 4301.7011    |
| 1                 | Standard Version     | Screw          | Rear-Side     | 2-pole     | Flexible wire18 AWG     | -                 | 4301.7301    |
| 1                 | Standard Version     | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7001    |
| 2                 | Standard Version     | Screw          | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.5012    |
| 2                 | Standard Version     | Screw          | Front-Side    | 1-pole     | Quick connect terminals | 3 pos.            | 4301.5052    |
| 2                 | Standard Version     | Screw          | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.5002    |
| 2                 | Standard Version     | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5042    |
| 2                 | Standard Version     | Screw          | Rear-Side     | 1-pole     | Quick connect terminals | -                 | 4301.7012    |
| 2                 | Standard Version     | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7002    |
| 4                 | Standard Version     | Screw          | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.5013    |
| 4                 | Standard Version     | Screw          | Front-Side    | 1-pole     | Quick connect terminals | 3 pos.            | 4301.5053    |
| 4                 | Standard Version     | Screw          | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.5003    |
| 4                 | Standard Version     | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5043    |
| 4                 | Standard Version     | Screw          | Rear-Side     | 1-pole     | Quick connect terminals | -                 | 4301.7013    |
| 4                 | Standard Version     | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7003    |
| 6                 | Standard Version     | Screw          | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.5014    |
| 6                 | Standard Version     | Screw          | Front-Side    | 1-pole     | Quick connect terminals | 3 pos.            | 4301.5054    |
| 6                 | Standard Version     | Screw          | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.5004    |
| 6                 | Standard Version     | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5044    |
| 6                 | Standard Version     | Screw          | Rear-Side     | 1-pole     | Quick connect terminals | -                 | 4301.7014    |
| 6                 | Standard Version     | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7004    |
| 10                | Standard Version     | Screw          | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.5015    |
| 10                | Standard Version     | Screw          | Front-Side    | 1-pole     | Quick connect terminals | 3 pos.            | 4301.5055    |
| 10                | Standard Version     | Screw          | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.5005    |
| 10                | Standard Version     | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5045    |
| 10                | Standard Version     | Screw          | Rear-Side     | 1-pole     | Quick connect terminals | -                 | 4301.7015    |
| 10                | Standard Version     | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7005    |
| 1                 | Standard Version     | Snap-in        | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.6011    |
| 1                 | Standard Version     | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6001    |
| 2                 | Standard Version     | Snap-in        | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.6012    |
| 2                 | Standard Version     | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6002    |
| 4                 | Standard Version     | Snap-in        | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.6013    |
| 4                 | Standard Version     | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6003    |
| 6                 | Standard Version     | Snap-in        | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.6014    |
| 6                 | Standard Version     | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6004    |
| 10                | Standard Version     | Snap-in        | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.6015    |
| 10                | Standard Version     | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6005    |
| 1                 | Medical Version (M5) | Screw          | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.5201    |
| 1                 | Medical Version (M5) | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5241    |
| 1                 | Medical Version (M5) | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7201    |
| 2                 | Medical Version (M5) | Screw          | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.5203    |
| 2                 | Medical Version (M5) | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5243    |
| 2                 | Medical Version (M5) | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7203    |
| 4                 | Medical Version (M5) | Screw          | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.5205    |
| 4                 | Medical Version (M5) | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5245    |
| 4                 | Medical Version (M5) | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7205    |
| 6                 | Medical Version (M5) | Screw          | Front-Side    | 1-pole     | Quick connect terminals | -                 | 4301.5217    |
| 6                 | Medical Version (M5) | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5247    |
| 6                 | Medical Version (M5) | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7207    |

| Rated Current [A] | Filter-Type           | Panel mounting | Mounting side | Fuseholder | Terminal                | Voltage Selectors | Order Number |
|-------------------|-----------------------|----------------|---------------|------------|-------------------------|-------------------|--------------|
| 10                | Medical Version (M5)  | Screw          | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.5209    |
| 10                | Medical Version (M5)  | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5249    |
| 10                | Medical Version (M5)  | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7209    |
| 1                 | Medical Version (M5)  | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6201    |
| 2                 | Medical Version (M5)  | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6203    |
| 4                 | Medical Version (M5)  | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6205    |
| 6                 | Medical Version (M5)  | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6207    |
| 10                | Medical Version (M5)  | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6209    |
| 1                 | Medical Version (M80) | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7202    |
| 2                 | Medical Version (M80) | Screw          | Front-Side    | 2-pole     | Quick connect terminals | 3 pos.            | 4301.5244    |
| 2                 | Medical Version (M80) | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7204    |
| 4                 | Medical Version (M80) | Screw          | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.5206    |
| 4                 | Medical Version (M80) | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7206    |
| 6                 | Medical Version (M80) | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7208    |
| 10                | Medical Version (M80) | Screw          | Rear-Side     | 2-pole     | Quick connect terminals | -                 | 4301.7200    |
| 4                 | Medical Version (M80) | Snap-in        | Front-Side    | 2-pole     | Quick connect terminals | -                 | 4301.6206    |

Wire length: 150 mm

**Packaging unit** 10 Pcs

### Required Accessory

#### Description

#### Fusedrawer 2

Fusedrawer with and without Voltage Selector Insert



|                                                      |              |
|------------------------------------------------------|--------------|
| Fingergrip, 2-pole, Voltage Selectors, 110, 150, 220 | 4301.1014.01 |
| Fingergrip, 2-pole, Voltage Selectors, 120, 240      | 4301.1014.02 |
| Fingergrip, 2-pole, Voltage Selectors, 110, 220      | 4301.1014.03 |
| Fingergrip, 2-pole, Voltage Selectors, 115, 220      | 4301.1014.04 |

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### Accessories



#### Assorted Covers

Rear Cover

0859.0075



#### Cord retaining kits

Cord retaining strain relief

|                |           |
|----------------|-----------|
| Flat head, A   | 4700.0001 |
| Countersunk, B | 4700.0002 |

## Mating Outlets/Connectors

## Category / Description

[Appliance Outlet Overview complete](#)

|                                                                                                   |      |
|---------------------------------------------------------------------------------------------------|------|
| IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal           | 4787 |
| IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal            | 4788 |
| IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal | 5091 |
| IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal      | 5092 |

[Appliance Outlet further types to KFA](#)[Connector Overview complete](#)

|                                          |        |
|------------------------------------------|--------|
| IEC Connector C15, Rewireable, Straight  | 0101   |
| IEC Connector C15A, Rewireable, Straight | 0102   |
| IEC Connector C15A, Rewireable, Straight | 0102-G |
| IEC Connector C15A, Rewireable, Angled   | 0112   |
| IEC Connector C13, Rewireable, Angled    | 4012   |

[Connector further types to KFA](#)

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[Power Cord Overview complete](#)

|                                           |      |
|-------------------------------------------|------|
| Power Cord with IEC Connector C13, Angled | 0311 |
| Power Cord with IEC Connector C13, Angled | 3011 |
| Power Cord with IEC Connector C13, Angled | 3012 |
| Power Cord with IEC Connector C13, Angled | 3013 |
| Power Cord with IEC Connector C13         | 3020 |

[Power Cord further types to KFA](#)

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