# IEC Appliance Inlet C14 or C18 with Filter, ECO design, Front- or Rear Side Mounting

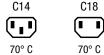
Screw-on mounting

PCB THT version



Screw-on mounting

Screw-on mounting from rear side, integrated





C14 C18

### Description

thread

- Panel mount :

with wires (stranded)

- Screw-on version from front or rear side, snap-in version from front side, PCB Version from rear side
- 2 Functions :
- Appliance Inlet protection class I or II, Line filter in standard and medical version
- Solder/quick connect/wire (stranded)
- PCB
- Earth Terminal

# **Unique Selling Proposition**

- V-Lock cord retaining
- Metal flange for optimal shielding
- Compact design
- Variants for protection class I and II

## **Characteristics**

See below:

- Compact high performance filter

**Approvals and Compliances** 

- Optimal shielding due to completely closed filter case, unpotted - Suitable for assembly in metal plated plastic housings
- Suitable for use in medical equipment according to IEC/UL 60601-1 (1 MOOP, 1 MOPP)
- For applications according IEC/UL 62368-1 we recommend variants with bleed resistor

#### Other versions on request

- Snap-in for panel thickness >2mm to 3mm
- flexible wire with various lenghts
- Class X1- and Y1-capacitors for enhanced withstand voltage
- Medical Version (M80)

#### References

Alternative: version without line filter 6100-3; 6100-4; 6102-3; 6102-5

# Weblinks

pdf data sheet, html datasheet, General Product Information, Approvals, Distributor-Stock-Check, Accessories, Detailed request for product

#### **Technical Data**

| Ratings IEC                          | 1 - 10A @ Ta 40 °C / 250 VAC; 50 Hz  |
|--------------------------------------|--|
| Ratings UL/CSA                       | 1 - 15 A @ Ta 40 °C / 250 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 Tempe-<br>rature | -25 °C to 85 °C  |
| Climatic Category                    | 25/085/21 acc. to IEC 60068-1  |
| IP-Protection                        | front side IP40 acc. to IEC 60529  |
| Protection Class                     | Suitable for appliances with protection<br>class I or II acc. to IEC 61140   |
| Terminal                             | Quick connect terminals 6.3 x 0.8 mm<br>Solder terminals<br>Flexible wire AWG18 (15A AWG16),<br>150 mm                             |
| Panel Thickness S                    | Screw with plastic flange: max 8 mm<br>Mounting screw torque max 0.5 Nm<br>Snap-in: 0.8 mm to 2 mm<br>(all steps with one variant) |
| Material                             | Themoplast / steel tin-plated, black / metallic, UL 94V-0  |
|                                      |  |

| Appliance inlet/-outlet | C14 / C18 acc. to IEC 60320-1,<br>UL 498, CSA C22.2 no. 42 (for cold<br>conditions) pin-temperature 70 °C, 10 A,<br>Protection Class I or II |
|-------------------------|--|
| Line Filter             | Standard and Medical Version, IEC<br>60939, UL 60939-3, CSA C22.2 no. 8<br>Technical Details   |
| MTBF                    | > 3'000'000 h acc. to MIL-HB-217 F   |

#### **Approvals and Compliances**

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

#### Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products. Approval Reference Type: 5120

| Approval Logo  | Certificates  | Certification Body | Description                                      |
|----------------|---------------|--------------------|--|
| 10             | VDE Approvals | VDE                | Certificate Number: 40016382                     |
| c <b>AU</b> us | UL Approvals  | UL                 | UR File Number: E495089                          |
|                | CQC Approvals | CQC                | CQC Certificate Number: 19001218810, 22001364058 |

#### **Product standards**

Product standards that are referenced

| Organization      | Design                | Standard         | Description   |
|-------------------|-----------------------|------------------|---|
| IEC.              | Designed according to | IEC 60320-1      | Appliance couplers for household and similar general purposes         |
| IEC.              | Designed according to | IEC 60939        | Passive filters for suppressing electromagnetic interference          |
| ( <sup>j</sup> L) | Designed according to | UL 498           | Standard for Attachment Plugs and Receptacles                         |
| ( <sup>j</sup> L) | Designed according to | UL 60939-3       | Electromagnetic interference filters                                  |
| GE Group          | Designed according to | CSA C22.2 no. 42 | General Use Receptacles, Attachment Plugs, and Similar Wiring Devices |
| Group CSA         | Designed according to | CSA C22.2 no. 8  | Electromagnetic interference (EMI) filters                            |

#### Application standards

Application standards where the product can be used

| Organization | Design                         | Standard       | Description   |
|--------------|--------------------------------|----------------|---|
| IEC.         | Suitable for applications acc. | IEC/UL 62368-1 | Audio/video, information and communication technology equipment - Part<br>1: Safety requirements          |
| IEC          | Suitable for applications acc. | IEC 60601-1    | Medical electrical equipment - Part 1: General requirements for basic<br>safety and essential performance |

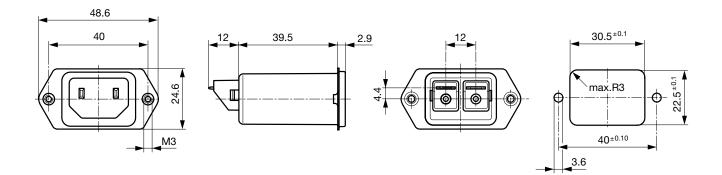
#### Compliances

The product complies with following Guide Lines

| Identification | Details                        | Initiator   | Description   |
|----------------|--------------------------------|-------------|---|
| CE             | CE declaration of conformity   | SCHURTER AG | The CE marking declares that the product complies with the applicable<br>requirements laid down in the harmonisation of Community legislation on<br>its affixing in accordance with EU Regulation 765/2008.                           |
| UK<br>CA       | UKCA declaration of conformity | SCHURTER AG | The UKCA marking declares that the product complies with the applicable<br>requirements laid down in the British Amendment of Regulation (EC)<br>765/2008.  |
| Rolls          | RoHS                           | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863  |
| <b>©</b>       | China RoHS                     | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.  |
| REACH          | REACH                          | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration,<br>Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as<br>"REACH") entered into force.   |
| V-Lock         |                                | SCHURTER AG | V-Lock system are based on a matching plug-dose combination. The<br>connector is equipped with a notch intended for use with the latching<br>cordset. The cord latching system prevents against accidental removal of<br>the cordset. |
|                | Medical Equipment              | SCHURTER AG | Suitable for use in medical equipment according to IEC/UL 60601-1 (1 MOOP, 1 MOPP)  |

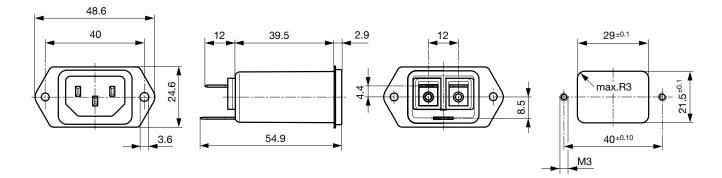
#### **Dimension** [mm]

Rear side mounting with pre-formed, threaded holes for M3 screws (panel cutout for rear side mounting)

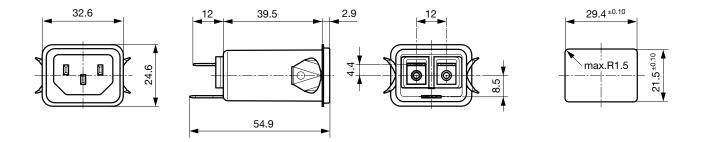


Dimensions for class II version also apply to class I

Front or rear side mounting for screws with nuts or blind rivets (panel cutout for frontside mounting)

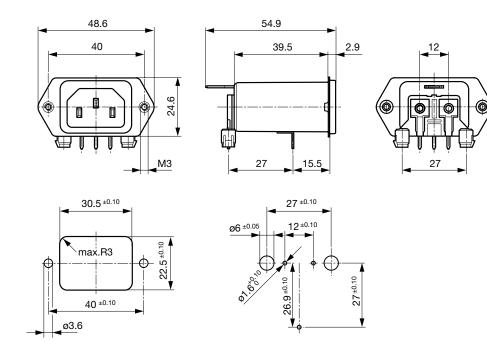


Snap-in mounting from front side

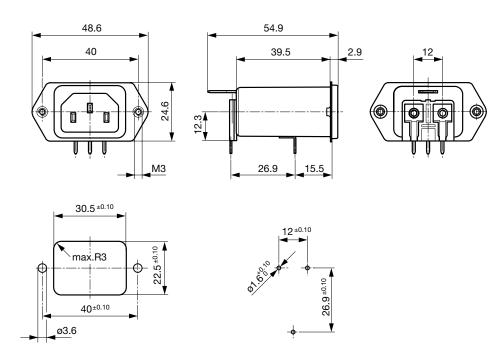


Dimensions for class I version also apply class II

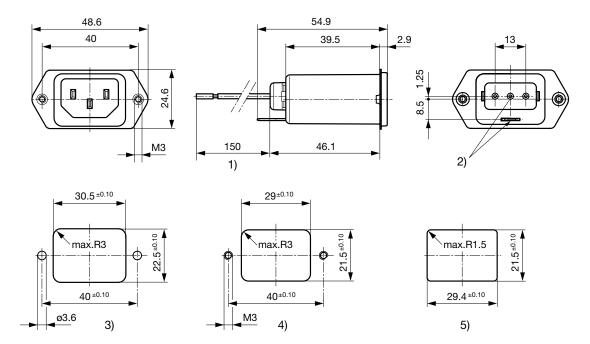
PCB snap-in rear side mounting, protection class I



PCB rear side mounting, protection class I



### Screw and snap-in mounting with flexible wire

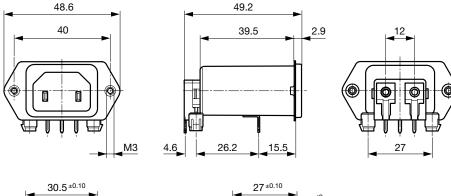


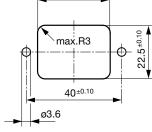
1) Flexible wire, standard length 150 mm or special length on request 2) Nonexistent for protection class II

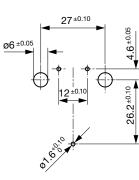
a) Panel cut-out screw-on version, back-side mounting
b) Panel cut-out screw-on version, front- or back-side mounting

5) Panel cut-out snap-in version, front-side mounting

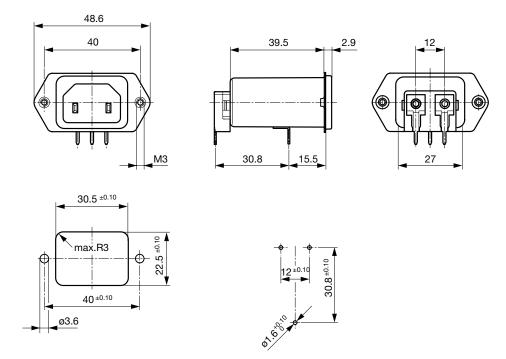
PCB snap-in rear side mounting, protection class II



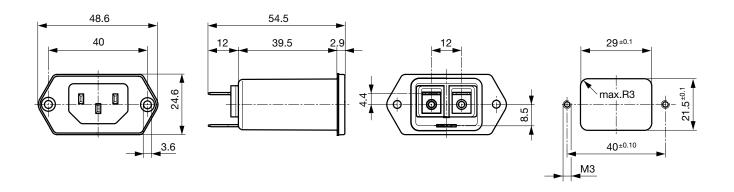




PCB rear side mounting, protection class II



Front side mounting with plastic flange



# **Technical Data of Filter-Components**

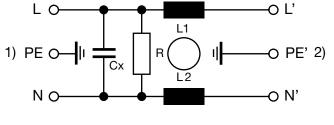
| Rated Current<br>[A]Filter-TypeInductances<br>L [mH]Capacitance<br>CX [nF]Capacitance<br>CY [nF]1Standard version2 x 121002.22Standard version2 x 5.21002.24Standard version2 x 21002.26Standard version2 x 0.81002.210Standard version2 x 0.41002.210Standard version2 x 0.41002.211Medical Version (M5)2 x 12100-2Medical Version (M5)2 x 5.2100-4Medical Version (M5)2 x 0.8100-6Medical Version (M5)2 x 0.8100-  |     |
|--|-----|
| 2       Standard version       2 x 5.2       100       2.2         4       Standard version       2 x 2       100       2.2         6       Standard version       2 x 0.8       100       2.2         10       Standard version       2 x 0.4       100       2.2         15       Standard version       2 x 0.1       100       2.2         1       Medical Version (M5)       2 x 12       100       -         2       Medical Version (M5)       2 x 5.2       100       -         4       Medical Version (M5)       2 x 2       100       -     |     |
| 4       Standard version       2 x 2       100       2.2         6       Standard version       2 x 0.8       100       2.2         10       Standard version       2 x 0.4       100       2.2         15       Standard version       2 x 0.1       100       2.2         1       Medical Version (M5)       2 x 12       100       -         2       Medical Version (M5)       2 x 5.2       100       -         4       Medical Version (M5)       2 x 2       100       -  | - 2 |
| 6         Standard version         2 x 0.8         100         2.2           10         Standard version         2 x 0.4         100         2.2           15         Standard version         2 x 0.4         100         2.2           15         Standard version         2 x 0.1         100         2.2           1         Medical Version (M5)         2 x 12         100         -           2         Medical Version (M5)         2 x 5.2         100         -           4         Medical Version (M5)         2 x 2         100         - | - 2 |
| 10         Standard version         2 x 0.4         100         2.2           15         Standard version         2 x 0.1         100         2.2           1         Medical Version (M5)         2 x 12         100         -           2         Medical Version (M5)         2 x 5.2         100         -           4         Medical Version (M5)         2 x 2         100         -  | - 2 |
| 15       Standard version       2 x 0.1       100       2.2         1       Medical Version (M5)       2 x 12       100       -         2       Medical Version (M5)       2 x 5.2       100       -         4       Medical Version (M5)       2 x 2       100       -  | - 2 |
| 1       Medical Version (M5)       2 x 12       100       -         2       Medical Version (M5)       2 x 5.2       100       -         4       Medical Version (M5)       2 x 2       100       -  | - 2 |
| 2         Medical Version (M5)         2 x 5.2         100         -           4         Medical Version (M5)         2 x 2         100         -  | - 2 |
| 4 Medical Version (M5) 2 x 2 100 -   | · 1 |
|  | . 1 |
| 6 Medical Version (M5) 2 x 0.8 100 -   | • 1 |
|  | · 1 |
| 10         Medical Version (M5)         2 x 0.4         100         -  | - 1 |
| 15 Medical Version (M5) 2 x 0.1 100 -  | . 1 |
| 1         Bleed Resistor Version         2 x 12         100         2.2  | 2 1 |
| 2 Bleed Resistor Version 2 x 5.2 100 2.2   | ! 1 |

| Rated Current<br>[A] | Filter-Type            | Inductances<br>L [mH] | Capacitance<br>CX [nF] | Capacitance<br>CY [nF] | <b>R [Μ</b> Ω] |
|----------------------|------------------------|-----------------------|------------------------|------------------------|----------------|
| 4                    | Bleed Resistor Version | 2 x 2                 | 100                    | 2.2                    | 1              |
| 6                    | Bleed Resistor Version | 2 x 0.8               | 100                    | 2.2                    | 1              |
| 10                   | Bleed Resistor Version | 2 x 0.4               | 100                    | 2.2                    | 1              |
| 15                   | Bleed Resistor Version | 2 x 0.1               | 100                    | 2.2                    | 1              |

# Diagrams

Standard version / Medical version M80

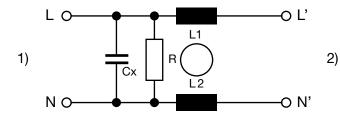
1)  $PE \circ H = Cx + Cy \circ PE' 2)$ N  $\circ H = Cx + Cy \circ N'$ 



1) Line

2) Load

Medicalversion (M5), Protection Class II



1) Line 2) Load

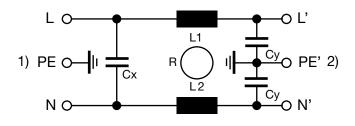
1) Line

2) Load

4 A

Standard version

Medical Version (M5)



1) Line 2) Load

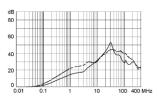
15 A

# Attenuation Loss

Standard version

10 A

dE



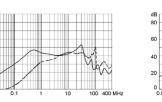
2 A

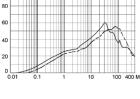
dB 80

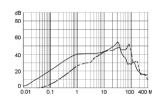
60

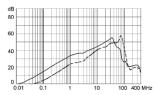
40









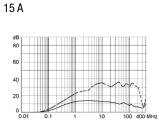


- - - -  $50\Omega$  differential mode \_\_\_\_\_  $50\Omega$  common mode

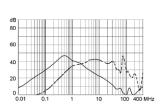
6 A

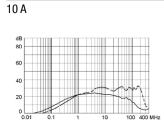
4 A

### Medical version (M5)

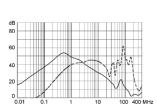






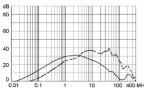


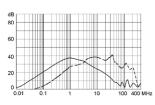
1 A





6 A





All Variants

| Rated Cur-<br>rent [A] | Filter-Type      | Mounting                           | Mounting side | Terminal                                   | Protection Class | V-Lock | Order Number |
|------------------------|------------------|------------------------------------|---------------|--|------------------|--------|--------------|
| 6                      | Standard version | Snap-in 2 - 3 mm                   | Front Side    | Flexible wire<br>AWG18                     | I                | •      | 5120.3034.0  |
| 1                      | Standard version | Snap-in                            | Front Side    | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | ٠      | 5120.2000.0  |
| 2                      | Standard version | Snap-in                            | Front Side    | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2001.0  |
| 4                      | Standard version | Snap-in                            | Front Side    | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | ٠      | 5120.2003.0  |
| 6                      | Standard version | Snap-in                            | Front Side    | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2004.0  |
| 10                     | Standard version | Snap-in                            | Front Side    | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | ٠      | 5120.2006.0  |
| 10                     | Standard version | Snap-in                            | Front Side    | Flexible wire and Earth pin 6.3 x 0.8      | I                | •      | 5120.2046.0  |
| 15                     | Standard version | Snap-in                            | Front Side    | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2007.0  |
| 1                      | Standard version | Screw/Soldering on PCB             | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | •      | 5120.4070.0  |
| 2                      | Standard version | Screw/Soldering on PCB             | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | ٠      | 5120.4071.0  |
| 4                      | Standard version | Screw/Soldering on PCB             | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | •      | 5120.4073.0  |
| 6                      | Standard version | Screw/Soldering on PCB             | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | ٠      | 5120.4074.0  |
| 10                     | Standard version | Screw/Soldering on PCB             | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | ٠      | 5120.4076.0  |
| 15                     | Standard version | Screw/Soldering on PCB             | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | ٠      | 5120.4077.0  |
| 1                      | Standard version | Screw/Soldering and Snap-in on PCB | Rear Side     | PCB pin and earth<br>pin 6.3 x 0.8         | I                | •      | 5120.5070.0  |
| 2                      | Standard version | Screw/Soldering and Snap-in on PCB | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | ٠      | 5120.5071.0  |
| 4                      | Standard version | Screw/Soldering and Snap-in on PCB | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | •      | 5120.5073.0  |
| 6                      | Standard version | Screw/Soldering and Snap-in on PCB | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | ٠      | 5120.5074.0  |
| 10                     | Standard version | Screw/Soldering and Snap-in on PCB | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | ٠      | 5120.5076.0  |
| 15                     | Standard version | Screw/Soldering and Snap-in on PCB | Rear Side     | PCB pin and earth pin 6.3 x 0.8            | I                | ٠      | 5120.5077.0  |

# 5120

| Rated Cur-<br>rent [A] | Filter-Type          | Mounting                  | Mounting side    | Terminal                                   | Protection Class | V-Lock | Order Number |
|------------------------|----------------------|---------------------------|------------------|--|------------------|--------|--------------|
| 1                      | Standard version     | Screw-on/Rivet            | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.0000.0  |
| 1                      | Standard version     | Screw-on/Rivet            | Front-/Rear-Side | Solder terminals                           | I                | ٠      | 5120.0010.0  |
| 2                      | Standard version     | Screw-on/Rivet            | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.0001.0  |
| 4                      | Standard version     | Screw-on/Rivet            | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.0003.0  |
| 6                      | Standard version     | Screw-on/Rivet            | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.0004.0  |
| 10                     | Standard version     | Screw-on/Rivet            | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.0006.0  |
| 15                     | Standard version     | Screw-on/Rivet            | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.0007.0  |
| 15                     | Standard version     | Screw-on/Rivet            | Front-/Rear-Side | Flexible wire<br>AWG16                     | I                | ٠      | 5120.0057.0  |
| 1                      | Standard version     | Screw with plastic flange | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 3-101-140    |
| 2                      | Standard version     | Screw with plastic flange | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 3-101-141    |
| 4                      | Standard version     | Screw with plastic flange | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 3-101-142    |
| 6                      | Standard version     | Screw with plastic flange | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 3-101-143    |
| 10                     | Standard version     | Screw with plastic flange | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 3-100-776    |
| 15                     | Standard version     | Screw with plastic flange | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 3-101-144    |
| 1                      | Standard version     | Screw                     | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.1000.0  |
| 2                      | Standard version     | Screw                     | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.1001.0  |
| 4                      | Standard version     | Screw                     | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.1003.0  |
| 6                      | Standard version     | Screw                     | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.1004.0  |
| 10                     | Standard version     | Screw                     | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | 1                | •      | 5120.1006.0  |
| 10                     | Standard version     | Screw                     | Rear Side        | Flexible wire and Earth pin 6.3 x 0.8      | I                | •      | 5120.1046.0  |
| 15                     | Standard version     | Screw                     | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.1007.0  |
| 1                      | Medical Version (M5) | Snap-in                   | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2300.0  |
| 2                      | Medical Version (M5) | Snap-in                   | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2301.0  |
| 4                      | Medical Version (M5) | Snap-in                   | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2303.0  |
| 6                      | Medical Version (M5) | Snap-in                   | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2304.0  |
| 10                     | Medical Version (M5) | Snap-in                   | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2306.0  |
| 15                     | Medical Version (M5) | Snap-in                   | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2307.0  |
|                        |                      |                           |                  |  |                  |        |              |

# 5120

| rent [A] |                      |                                    |                  |  |    |   |             |
|----------|----------------------|------------------------------------|------------------|--|----|---|-------------|
|          |                      |                                    |                  |  |    |   |             |
| 4        | Medical Version (M5) | Screw/Soldering on PCB             | Rear Side        | PCB pin and earth pin 6.3 x 0.8            | I  | • | 5120.4373.0 |
| 6        | Medical Version (M5) | Screw/Soldering on PCB             | Rear Side        | PCB pin and earth pin 6.3 x 0.8            | I  | • | 5120.4374.0 |
| 4        | Medical Version (M5) | Screw/Soldering and Snap-in on PCB | Rear Side        | PCB pin and earth pin 6.3 x 0.8            | I  | • | 5120.5373.0 |
| 6        | Medical Version (M5) | Screw/Soldering and Snap-in on PCB | Rear Side        | PCB pin and earth<br>pin 6.3 x 0.8         | I  | • | 5120.5374.0 |
| 1        | Medical Version (M5) | Screw-on/Rivet                     | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 5120.0300.0 |
| 2        | Medical Version (M5) | Screw-on/Rivet                     | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 5120.0301.0 |
| 4        | Medical Version (M5) | Screw-on/Rivet                     | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 5120.0303.0 |
| 4        | Medical Version (M5) | Screw-on/Rivet                     | Front-/Rear-Side | Flexible wire and Earth pin 6.3 x 0.8      | I  | • | 5120.0343.0 |
| 6        | Medical Version (M5) | Screw-on/Rivet                     | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 5120.0304.0 |
| 10       | Medical Version (M5) | Screw-on/Rivet                     | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 5120.0306.0 |
| 15       | Medical Version (M5) | Screw-on/Rivet                     | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 5120.0307.0 |
| 1        | Medical Version (M5) | Screw with plastic flange          | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 3-101-145   |
| 2        | Medical Version (M5) | Screw with plastic flange          | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 3-101-146   |
| 4        | Medical Version (M5) | Screw with plastic flange          | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 3-100-794   |
| 6        | Medical Version (M5) | Screw with plastic flange          | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 3-101-147   |
| 10       | Medical Version (M5) | Screw with plastic flange          | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 3-101-148   |
| 15       | Medical Version (M5) | Screw with plastic flange          | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 3-101-149   |
| 1        | Medical Version (M5) | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 5120.1300.0 |
| 2        | Medical Version (M5) | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | ٠ | 5120.1301.0 |
| 4        | Medical Version (M5) | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 5120.1303.0 |
| 6        | Medical Version (M5) | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | ٠ | 5120.1304.0 |
| 10       | Medical Version (M5) | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 5120.1306.0 |
| 10       | Medical Version (M5) | Screw                              | Rear Side        | Flexible wire and Earth pin 6.3 x 0.8      | I  | ٠ | 5120.1346.0 |
| 15       | Medical Version (M5) | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | I  | • | 5120.1307.0 |
| 1        | Medical Version (M5) | Snap-in                            | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | II | ٠ | 5120.2300.1 |
| 2        | Medical Version (M5) | Snap-in                            | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | II | • | 5120.2301.1 |
| 4        | Medical Version (M5) | Snap-in                            | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | II | • | 5120.2303.1 |
|          |                      |                                    |                  |  |    |   |             |

| Rated Cur-<br>rent [A] | Filter-Type            | Mounting                           | Mounting side    | Terminal                                   | Protection Class | V-Lock | Order Number |
|------------------------|------------------------|------------------------------------|------------------|--|------------------|--------|--------------|
| 10                     | Medical Version (M5)   | Snap-in                            | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | II               | •      | 5120.2306.1  |
| 15                     | Medical Version (M5)   | Snap-in                            | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | II               | •      | 5120.2307.1  |
| 4                      | Medical Version (M5)   | Screw/Soldering on PCB             | Rear Side        | PCB pin and earth<br>pin 6.3 x 0.8         | II               | ٠      | 5120.4373.1  |
| 6                      | Medical Version (M5)   | Screw/Soldering on PCB             | Rear Side        | PCB pin and earth pin 6.3 x 0.8            | II               | •      | 5120.4374.1  |
| 4                      | Medical Version (M5)   | Screw/Soldering and Snap-in on PCB | Rear Side        | PCB pin and earth<br>pin 6.3 x 0.8         | II               | ٠      | 5120.5373.1  |
| 6                      | Medical Version (M5)   | Screw/Soldering and Snap-in on PCB | Rear Side        | PCB pin and earth pin 6.3 x 0.8            | II               | •      | 5120.5374.1  |
| 10                     | Medical Version (M5)   | Screw/Soldering and Snap-in on PCB | Rear Side        | PCB pin and earth pin 6.3 x 0.8            | II               | ٠      | 5120.5376.1  |
| 2                      | Medical Version (M5)   | Screw-on/Rivet                     | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | ll               | •      | 5120.0301.1  |
| 4                      | Medical Version (M5)   | Screw-on/Rivet                     | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | II               | •      | 5120.0303.1  |
| 6                      | Medical Version (M5)   | Screw-on/Rivet                     | Front-/Rear-Side | Quick connect<br>terminals 6.3 x<br>0.8 mm | II               | •      | 5120.0304.1  |
| 10                     | Medical Version (M5)   | Screw-on/Rivet                     | Front-/Rear-Side | Solder terminals                           | II               | •      | 5120.0316.1  |
| 1                      | Medical Version (M5)   | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | II               | •      | 5120.1300.1  |
| 2                      | Medical Version (M5)   | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | II               | •      | 5120.1301.1  |
| 2                      | Medical Version (M5)   | Screw                              | Rear Side        | Solder terminals                           | Ш                | •      | 5120.1311.1  |
| 4                      | Medical Version (M5)   | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | II               | •      | 5120.1303.1  |
| 6                      | Medical Version (M5)   | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | II               | •      | 5120.1304.1  |
| 10                     | Medical Version (M5)   | Screw                              | Rear Side        | Quick connect<br>terminals 6.3 x<br>0.8 mm | II               | •      | 5120.1306.1  |
| 2                      | Bleed Resistor Version | Snap-in                            | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2201.0  |
| 4                      | Bleed Resistor Version | Snap-in                            | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2203.0  |
| 6                      | Bleed Resistor Version | Snap-in                            | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2204.0  |
| 10                     | Bleed Resistor Version | Snap-in                            | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2206.0  |
| 15                     | Bleed Resistor Version | Snap-in                            | Front Side       | Quick connect<br>terminals 6.3 x<br>0.8 mm | I                | •      | 5120.2207.0  |
| 10                     | Bleed Resistor Version | Screw-on/Rivet                     | Front-/Rear-Side | Solder terminals                           | I                | ٠      | 5120.0216.0  |

Most Popular.

Availability for all products can be searched real-time:https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

- 15 A version only according UL/CSA

- Type for screw-on mounting from rear side has pre-threaded holes for M3 screws

Packaging unit

10 Pcs

# 5120

#### Accessories





RC320 Rear Cover for Power Entry Module



Cord\_retaining\_kits Cord retaining strain relief

Flat head, G

Flat head, E

4700.0005 4700.0007

0859.0048

### Mating Outlets/Connectors

Category / Description

Appliance Outlet Overview complete



| 4787, Mounting: Screw-on mounting, Appliance Outlet: IEC Solder terminals, 10 A, Suitable for appliances with pro-<br>tection class I | 4787 |
|---|------|
| 4788, Mounting: Snap-in version, Appliance Outlet: IEC Solder / Quick Connect, 10 A, Suitable for appliances with protection class I  | 4788 |
| IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal                                     | 5091 |

#### Connector Overview complete



| 4782 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13    | 4782    |
|---|---------|
| 4785 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13    | 4785    |
| 4300-06 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13 | 4300-06 |
| 4781 Mounting: Power Cord, Cable, Connector: IEC C15  | 4781    |
| 4784 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C15    | 4784    |

## Mating Outlets/Connectors shuttered



#### Connector Overview complete

| And and a second se |   |         |
|--|---|---------|
|  | 4783 Mounting: Power Cord, 3 x 1 mm <sup>2</sup> / 3 x 18 AWG, Cable, Connector: IEC C13    | 4783    |
|  |   |         |
|  |   |         |
|  |   |         |
|  |   |         |
|  |   |         |
|  |   |         |
|  | Power Cord Overview complete  |         |
| 19422 - MAR  | VAC13KS, Overview, V-Lock cord retaining, diverse Connector IEC C13, diverse, black         | VAC13KS |
|  | VAC17KS, V-Lock cord retaining, diverse m, Connector IEC C17, diverse, black / grey / white | VAC17KS |
|  | WOTTING, V LOOK OOR TOTAINING, AVOIDO III, OOMOORO ILO OTT, AIVOIDE, DIALKT GIOYT WIILE     | NOT NO  |